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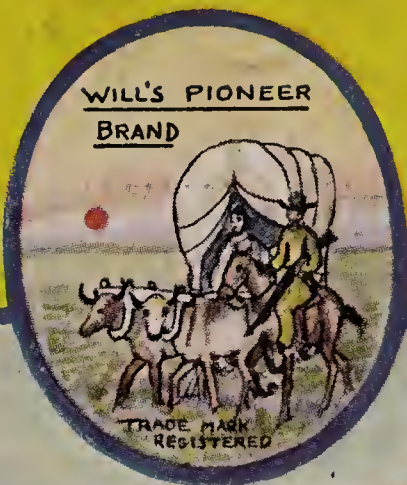
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51ST ANNUAL CATALOG

OSCAR H. WILL & CO.

BISMARCK,

1883



N. DAK.

1934



CORN FIRST GROWN BY WHITEMEN IN BURLEIGH COUNTY AT THE MOUTH OF APPLE CREEK



FALCONER CORN

PIONEER SEED HOUSE NURSERY
AND GREENHOUSES OF THE ▲▲
NORTHWEST ▲ SEEDS ▲ TREES ▲ PLANTS

**A Premium for
EARLY ORDERS**

For every retail cash mail order of \$2.00 or more for vegetable seeds, greenhouse stock and flower seeds received by us before March first we offer a discount in the form of additional free goods to the amount of ten per cent of the order. ¶ For every order for nursery stock, field seed and seed corn we offer five per cent discount under the same conditions. ¶ No discount on orders received after March first.

VALUABLE NEW VEGETABLES



Golden Bison Tomato

Prof. Yeager's Golden Bison Tomato..\$0.15
 Prof. Yeager's Winter Sweet Water-
 melon10
 Prof. Yeager's Buttercup Squash..... .10
 Buza Extra Early Siberian Cucumber.. .15
 (Seed came to us from Poland)
 Chipman's Strain Lake Champlain
 Muskmelon15
 (Developed by Mr. Geo. Chipman,
 Winnipeg, Manitoba)

One Packet of Each Kind for 50c



Chipman's Muskmelon



Buttercup Squash



Winter Sweet



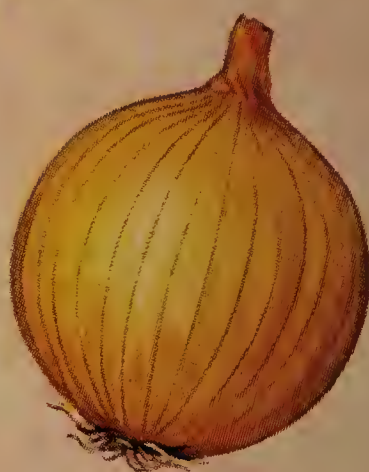
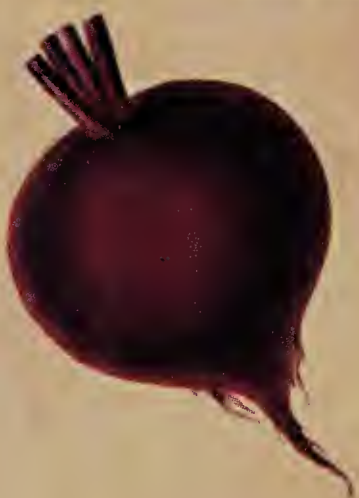
Buza Siberian Cucumber

WILL'S LEADER COLLECTION

*15 Packets—One Each of Our 15 Most
 Popular Varieties*

Detroit Dark Red Beet	Danvers Half Long
Copenhagen Market Cab- bage	Carrot
Danish Perfection Cauli- flower	Will's Dakota Globe Onion
Early Fortune Cucumber	Guernsey Parsnip
Early Curled Simpson Lettuce	Harris' Earliest Pepper
Extra Early Osage Musk- melon	Will's Early Carmine Radish
Red Bison Tomato	Will's Improved Purple Top Yellow Rutabaga
	Hubbard Squash
	Will's Sugar Watermelon

15 Packets for 55c



A Few of WILL'S NEWER SPECIALTIES



Calendula-Double Chrysanthe

CALENDULA-DOUBLE CHRYSANTHA OR SUNSHINE

The outstanding new flower of the year. A new Calendula, distinctly different in flower form from the older types with wide petals somewhat loosely placed and somewhat resembling the Chrysanthemum. The flowers are very large, a clear buttercup yellow, with good strong stems for cutting. Pkt., 15c; 1/4 oz., 35c.



Fargo Yellow Pear

BISON. THE TOMATO FOR NORTHERN GARDENS

The best early tomato yet developed by Professor A. F. Yeager, this sort is self-pruning or determinate in growth. In place of wasting its vitality in continuous branching, as do practically all other Tomatoes, **Bison** grows a compact plant and puts all its energies into producing and ripening a heavy and extra early crop of smooth, solid, meaty, medium sized red Tomatoes. In 1930 Professor Yeager had a plant in his plot that produced 40 pounds of ripe fruit. One of our customers wrote in of a Bison plant that bore 42 pounds of ripe fruit. Do not prune Bison plants. We believe this is the best thing that Professor Yeager has developed to date and that is saying a lot. Pkt., 10c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$2.00; 1 lb., \$7.00, postpaid.



Bison Tomato
(Typical Unpruned Plant)

FARGO YELLOW PEAR

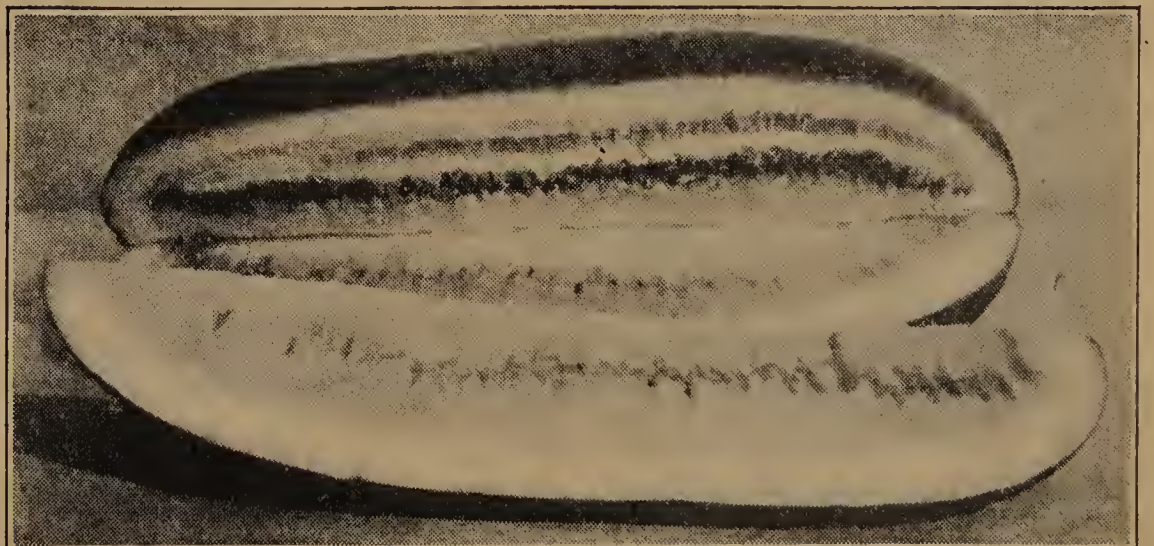
In this new sort Professor A. F. Yeager has combined the earliness and self pruning habit of his Bison Tomato with typical Yellow Pear fruit to produce a much earlier and heavier yield on a given area of ground. Pkt., 15c; 2 pkts., 25c; 1/2 oz., 65c.



Honey Dew Melon

WILL'S GOLDEN ANNIVERSARY WATERMELON

A result of our breeding work, using the native Arikara for one parent to supply earliness and hardiness, the Kleckley Sweet for the other to supply size, sweetness and quality. While the cross is not fully fixed we feel that it deserves immediate introduction. The melon is large, oblong with bright pink flesh and brown seeds. Pkt., 10c; oz., 20c; 1/4 lb., 50c; 1/2 lb., 80c; 1 lb., \$1.50, postpaid.



Golden Anniversary Watermelon

EXTRA EARLY HONEY DEW

Grown at Bismarck for the last eight years and materially earlier than the standard variety. The fruits are creamy yellow, nearly round and about six inches in diameter with very thick greenish flesh, fine grained and delicious. With this seed North Dakota folks can raise Honey Dew Melons and when you have a Honey Dew you have something. Pkt., 15c; 2 pkts., 25c; oz., 35c.

General Directions and Instructions

HOW TO SEND MONEY. Remittance should be made by Postoffice or Express Money Order or by Bank Draft. Personal checks on good banks are accepted, but customers must pay exchange and collection charge of 5 cents. U. S. stamps are accepted.

DELIVERY OF GOODS. Goods may be sent by mail, express or freight. Postpaid prices are quoted in most cases. Parcel Post rates are given so that customers can figure the amount necessary to add to freight prices when larger amounts are desired by mail. If you wish goods sent by mail be sure that you remit mail prices. The Parcel Post weight limit is 70 lbs. Weight limit for Parcel Post to Canada 15 lbs. at 14c per lb. There is no reduction on postpaid prices of packet and ounce goods if sent by express or freight.

EXPRESS AND FREIGHT. Quotations F. O. B. here means that we deliver the goods to the express or railway company. The purchaser pays all transportation charges on receipt of goods. On moderate sized orders we advise express shipment rather than freight. All prices are F. O. B. here unless quoted postpaid.

Upon delivery of goods to transportation company, a sale is completed. In event of loss or damage to goods in transit the purchaser must have notation of such loss placed upon his receipt, and may then file claim for loss at his station, or may send the necessary papers to us when we shall gladly enter claim for him, remitting to him as soon as the claim is paid.

Remember that our responsibility ceases on delivery in good order to the transportation company, and it is therefore imperative that every purchase be carefully examined for loss or damage before receiving it.

We do not guarantee replacement of goods sent by mail. An additional remittance of five cents will insure any mail package. We can not insure plants and nursery stock so there is no recourse in case of delay and injury.

PACKING. No charge is made for boxes, bags or wrapping for any goods offered in this catalog.

KEEP A COPY OF YOUR ORDER. Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notices sent.

MISTAKES. These will happen in spite of all care. Write us at once with copy of original order and order number, and mistake will be promptly rectified. Please do not return goods until you hear from us.

Notify us if you hear nothing of your order within a reasonable time.

OUR RESPONSIBILITY. It is so manifestly impossible for a seller of any perishable goods to be responsible for what happens to them after they leave his hands, especially goods like seeds which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to crop which may be raised from the seeds which we sell.

We wish it understood that all goods are sold under the following general non-warranty.

We give no warranty, express or implied, as to the description, quality, productiveness or any other matter, of any seeds, bulbs, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on the above terms, no sale is made thereof, and they must be returned at once and money will be refunded.

However, we wish to call the attention of our customers to the fact that we make careful tests of all seeds in our stock and endeavor to see that nothing but goods of the very highest quality are sent out.

We urge most strongly that every bit of seed grain or seed corn received from us be tested. Should the test prove unsatisfactory or the goods not as represented we should be notified at once and an immediate adjustment will be made.

With regard to trees or plants, if sent by express, and damage is noted by consignee at the station, we are glad to replace or refund. We do not guarantee nursery stock and plants after being taken from the express office, but are always willing to give attention to just claims for loss. We do not make C. O. D. shipments of perishable goods.

PARCEL POST RATES

Limit of weight, 70 lbs.

If You Do Not Know Which Zone Rate Applies, Consult Your Postmaster.

For Zones 1 and 2—One pound is 8c. Add 1.1c per pound to 8c for each additional pound weight or fractional pound of the package. Thus 7 pounds will be 8c plus 6 additional pounds at 1.1c per pound, or 15c.

Zone 3—One pound is 9c. For each additional pound add 2c.

Zone 4—One pound is 10c. For each additional pound add 3.5c.

Zone 5—One pound is 11c. For each additional pound add 5.3c.

Zone 6—One pound is 12c. For each additional pound add 7c.

Zone 7—One pound is 14c. For each additional pound add 9c.

Zone 8—One pound is 15c. For each additional pound add 11c.

FREE PREMIUMS

With every order for vegetable and flower seeds of \$15.00 or more, for seed grain or nursery stock of \$25.00 or more we shall be glad to furnish on request one large white thermometer 13½ in. long and suitable for out of door use.

In place of the thermometer, for those preferring it, we can send the following book:

Guide to Corn Growing in the American and Canadian Northwest. (Sales price, 50c.) A complete handbook of Corn History, Corn Breeding, Corn Growing, Corn Varieties, and the handling of the crop; in popular form and non-technical language. Deals with all matters relating to corn production under the special requirements of Northwestern and Northern Great Plains conditions.

Our Fifty-First Catalog

WE ARE with this issue sending to you the first catalog of our second half century. With it we are entering, it seems, a new era in national affairs which promises even greater advances in general welfare and happiness than have been experienced in the past fifty years. To us it seems that the coming years are full of promise for the agricultural Northwestern States and it is our hope to continue and keep pace in our services with Northwestern Agriculture.

During the past year of poor crops and unemployment the general opinion seems to be that vegetable gardens have been worth millions of dollars to the people of the country and especially of the Northwest. We feel that we have contributed our share to that total sum with the special adapted varieties which we have introduced or developed.

Furthermore we feel that many hundreds of thousands of dollars if not millions of the value of vegetable crops in the Northwest must be credited to one man, whose reward has been only his personal satisfaction in his great accomplishment and an occasional word of praise from horticulturists of the world. He has been cramped and restricted in his work to an extent that would make anyone but an altruistic enthusiast quit in despair, in spite of which his list of valuable vegetables and fruits seems to increase ever more rapidly. As most of you have doubtless guessed, we are referring to Professor Yeager of the North Dakota Agricultural College. May his value be more widely appreciated and his work supported and encouraged with interest and enthusiasm lest he be taken from us by those who might claim that they appreciate him where his own state disregards and discourages him. If Luther Burbank was a benefactor to his country certainly our state and region owe a debt to Professor Yeager which could never be paid.

OSCAR H. WILL & CO.

Will's Flower Seed All Flower Seeds Prepaid

WILL'S Old-Fashioned Flower Garden Collection

One packet each of the following:

- | | | |
|--------------------------|------------------------|----------------------------|
| Antirrhinum (Snapdragon) | Flower) Mixed | Sweet William |
| Mixed Giant Flowered | Single Mixed Hollyhock | Dahlia-Flowered Zinnia |
| Mixed Bachelor's Button | French Mixed Marigold | Gold Medal Mixture |
| Double Camellia-Flowered | Mignonette Machet | Also one ounce each of the |
| Balsam | Mixed Morning Glory | following: |
| Cosmos, Early Mammoth | Phlox Drummond Grand- | Will's Pioneer Brand |
| —Flowering Single | iflora | Dwarf Mixed Nastur- |
| Mixed | Poppy, Mixed Carnation | tiums |
| Dianthus—Chinese Pink | Mixed Single Portulaca | Will's Imperial Mixed |
| Helichrysum, (Straw | Dwarf Ten Weeks Stocks | Sweet Peas |

This \$1.30 Value—Postpaid for Only..... **75c**

Special Flower Seed Collection No. 2 for School Children

To children interested in flowers we offer seven packets of flower seeds of our selection. Seven packets, postpaid, for..... **25c**

In order that our customers may plant and grow with better understanding, we make use of the following symbols:

- (A) Annuals—These complete the cycle of growth, flowering, and death, the first year.
 (B) Biennials—These grow from seed the first year, bloom and die the second. If started indoors these commonly bloom the first year.
 (P) Perennials—These live and flower year after year.
 (T) Tender—Plants so marked should be started inside and transplanted after danger of frost is past.
 (C) Climbing Plants.

AGERATUM—Blue Perfection. (A). One of the best border and bedding plants, blooming from early Summer to frost. Grows 10 inches tall. Pkt., 5c; ¼ oz., 20c.

ALYSSUM—Little Gem. (A). One of the finest annuals we have for edging. Compact white plants, six inches high, are completely covered throughout the season with pretty flowers. Pkt., 5c; ½ oz., 15c; oz., 25c.

ALYSSUM—Lilac Queen. (A). Deep lavender lilac blossoms. Pkt., 5c; ¼ oz., 15c.

ANTIRRHINUM—SNAPDRAGON. Maximum Giant Flowered. (A). The newest in Snapdragons and a marked advance in size of bloom and brilliancy of color. Readily raised from seed in any sunny bed. Spring seedlings bloom by midsummer, and, if cut freely, the flowering is continuous until Fall. If then taken up, cut back, and potted, plants will bloom in the house during the Winter. One of the finest flowers for cutting. Our mixture is unexcelled. Pkt., 10c; ¼ oz., 45c.

If you wish any sort of Flower Seed not listed here, ask us about it. If we do not have it, we can get it, or tell you where it may be procured.



Antirrhinum—Snapdragon.

PIONEER ASTERS (A)

EARLY WHITE WONDER or EXPRESS. The best extra early white variety with good sized, double flowers borne on good stiff stems. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

WILT RESISTANT IMPROVED CREGO PINK. A beautiful midseason sort of the branching type, growing 2 feet tall, with large blooms borne on long stems. This is nearly immune to the blight that has previously made growing asters so unsatisfactory. Pkt., 15c; $\frac{1}{4}$ oz., 70c.

WILT RESISTANT ASTERMUM LAVENDER. A fine midseason lavender, the plants are about 2 feet high, of branching habit. This is resistant to the aster blight or wilt and the resistant varieties promise to restore the aster to popularity. Pkt., 15c; $\frac{1}{4}$ oz., 70c.

CRIMSON CREGO. A midseason variety of the branching type growing about 2 feet tall. The crimson flowers are commonly 4 to 5 inches across, borne on stems 12 inches long. A fine all around sort. Pkt., 10c; $\frac{1}{4}$ oz., 45c.

PURPLE CREGO. Another color in the glorious Crego family. Pkt., 10c; $\frac{1}{4}$ oz., 45c.

IMPROVED CREGO-MIXED. A mid-season giant-flowering variety growing about 2 feet tall. It is superior in quality of flower and length of stem. Pkt., 5c; $\frac{1}{4}$ oz., 35c.

BACHELOR'S BUTTON—CORN-FLOWER (*Centaurea cyanus*). (A). This is among the most attractive of all hardy annuals and one of the most popular of the old fashioned flowers.



Mixed Improved Crego Aster



Bachelor's Button.

Double Blue (Florists' Strain). Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Double Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

Double Blue (Florists' Strain). Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Double Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

BALLOON VINE, (A-C). Remarkable for the inflated appearance of its seed pods, and sometimes called "Love-in-a-Puff." The flower is insignificant, but the plant is a rapid and graceful climber. Pkt., 5c; oz., 25c.

BALSAM—LADY SLIPPER. Double Camellia-Flowered. (A). An old favorite. It likes hot sun, rich soil and plenty of water. In return it will give its brilliant masses of beautiful double flowers in greatest profusion. All colors mixed. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

BEANS—SCARLET RUNNER. (A-C). This old-time favorite is a rapid growing annual climber, reaching a height of 10 to 12 feet and bearing sprays of brilliant scarlet pealike blossoms. Pkt., 5c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

BEE PLANT—SPIDER PLANT—CLEOME PUNGENS. (A). A very hardy native plant growing well in gumbo and alkali. Two to four feet high with spiderlike purple flowers in August. Pkt., 5c.

BOUNCING BET—SAPONARIA OFFICINALIS. (P). An old, hardy favorite of easy culture, growing 12 to 18 inches high with close phlox-like heads of white or pinkish white blooms. It blooms throughout most of the summer. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

CALENDULA—POT or SCOTCH MARIGOLD. Orange King. (A). Ours is a deep orange, very double, large flowering strain of this showy, hardy and most satisfactory plant. It grows anywhere and blooms from mid-summer until frost. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

CALENDULA—Double Chrysantha or Sunshine. (A). See page 1 for illustration and full description. The flowers are very large, a clear buttercup yellow in color, with good strong stems for cutting. The flower novelty of the year. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

CALLIOPSIS—TICK-SEED. Dwarf Mixed. (A). A showy and free-flowering annual blooming all Summer and excellent for cutting and massing. We offer a mixture of the finest strains. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

CANARY BIRD FLOWER. (A-C). A beautiful climber with a charming little canary-colored blossom. Pkt., 5c; $\frac{1}{2}$ oz., 20c.

CANNA. Crozy's Dwarf. (P-T). This is a large flowering French strain and ordinarily blooms the first year from seed. Pkt., 10c; $\frac{1}{2}$ oz., 20c.

CANTERBURY BELLS—CAMPANULA MEDIUM. Single Mixed. (B). The old-fashioned favorite, with its bell-like blooms, is easily grown from seed and one of the earliest and most attractive of the hardy border plants. Pkt., 5c; $\frac{1}{4}$ oz., 25c.



Double Camellia-Flowered Balsam.



Calendula.



Carnation—Dwarf Margaret.

CANDYTUFT. Giant White Hyacinth-Flowered. (A). A fine stock of this sturdy, compact, free-flowering border plant, with snowy white flowers. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

CANDYTUFT. Giant Flowering Mixed. (A). This justly popular annual is of easiest culture and flowers profusely throughout the whole season. The flowers of our strain are nearly double the size of the old varieties and fairly cover the plants, which are useful in beds, pots or borders. Pkt., 5c; $\frac{1}{2}$ oz., 20c.

CARNATION. Chabaud Mixed. (P). This reselected French sort blooms in five months from seed and from then on blooms indefinitely in wonderful profusion of splendid double flowers. Pkt., 10c; $\frac{1}{4}$ oz., 55c.

CARNATION. Dwarf Margaret. (P). Our mixed color strain of this general favorite will produce an abundance of fragrant double flowers. They are quite hardy, bloom 4 months from seed, and may be cut back and planted in pots for Winter blooming. With slight covering they will live out all Winter. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

CASSIA CHAMAECHRISTA—PARTRIDGE PEA. (A).

Two to three feet in height, with delicate pinnate foliage and large canary-yellow blossoms. Excellent for mass planting or for an annual hedge. Pkt., 10c; $\frac{1}{4}$ oz., 15c.

CATCHFLY. (A). A bright-colored, free-flowering annual, largely grown for Spring flowering and used in borders and rockwork. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

CELOSIA CHILDSII—CHINESE WOOL-FLOWER. (A). Plants grow from 2 to 3 feet high with flower heads resembling bright colored, loose balls of wool. The red, pink and yellow blooms of our mixture start early and do not fade until frost. This is fine for mass planting or for growing along the driveway or next to the house. Pkt., 10c; $\frac{1}{4}$ oz., 45c.

CENTAUREA IMPERIALIS. Giant Sweet Sultan. (A). The finest of all Sweet Sultans for cut flowers. The large, sweet scented, graceful, thistle-like blooms are borne on long strong stems. Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

CHINESE LANTERN PLANT—PHYSALIS FRANCHETTI. (P). Produces lantern-like fruits that turn bright red when ripe. The stems should then be cut, the leaves stripped off, and the fruits will retain their color through the Winter. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

CHRYSANTHEMUM CORONARIUM—FRENCH MARGUERITE. (A). These annual Chrysanthemums are altogether different from the large-flowered late varieties grown by florists. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

CLARKIA. Double Mixed. (A). This popular hardy annual is easily grown with most beautiful results. One of the best for clay soils. Our mixture contains rosy purple, rose salmon, and white. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

COBAEA SCANDENS. Cathedral Bells. (A-C). Very prolific and perfectly hardy. This is the most handsome and rapid growing of annual climbers. It is always clean of insects. The flowers are bell-shaped and very beautiful. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

COLUMBINE-HYBRID. (P). Varying shades from almost purple, through yellows to white, mostly long spurred. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



Giant Flowering Candytuft.



Clarkia—Double Mixed.

COSMOS

EARLY MAMMOTH FLOWERING SINGLE MIXED. (A).

We offer a strain of Cosmos that comes into full bloom early enough to satisfy the wants of flower lovers in this section. The plants are easily raised and form large bushes, 4 to 5 feet tall, covered in late Summer with huge blossoms. A fine annual hedge. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

EARLY FLOWERING DOUBLE CRESTED MIXED. (A)

This new class, sometimes called Anemone flowered, is the best of all Cosmos for cutting and one of the finest subjects for mass planting. Although this is a new variety, it comes practically true from seed, but a small percentage of single blooms must be expected. Pkt., 10c; $\frac{1}{4}$ oz., 65c.



Double Crested Cosmos.



Single Early Cosmos.

WILD CUCUMBER. (A-C). The quickest growing climber we have. Thickly dotted with white flowers followed by ornamental and prickly seed pods. For Spring planting scald before sowing. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c.

SUMMER CYPRESS—BURNING BUSH. (A). A highly ornamental annual of very rapid growth which forms a pyramidal bush from 2 to 3 feet high, having a cypress-like appearance. The leaves are a light pea-green until September when they change to a carmine or bright red. Pkt., 5c; $\frac{1}{2}$ oz., 15c.

CYPRESS VINE. (A-C). A most beautiful climber with dark green fernlike foliage and mass of beautiful star-shaped flowers. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

DAHLIA, DOUBLE. A mixture of seeds from the best varieties. Pkt., 10c.

DAISIES



Shasta Daisy.



Helichrysum.

HELIOTROPE. (A-T). A universal favorite on account of its fragrance and beauty. Few realize that it can be raised from the seed as easily as the Verbena. Seed sown early indoors will insure a long period of bloom. Used both for bedding and pot plant. Pkt., 10c; $\frac{1}{4}$ oz., 65c.

HOLLYHOCK

HOLLYHOCK. Pioneer Double Mixed. (P). Tall, stately, majestic, our strain of this old-fashioned favorite can not be improved upon. This is a perennial and will not bloom the first year unless planted indoors in March. Our mixture comprises all shades. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

HOLLYHOCK. Bismarck Single Mixture. (P). Many prefer the single Hollyhocks to the doubles. The single sorts are slightly hardier, more vigorous and rust resistant. Our mixture will be found very satisfactory. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

HOLLYHOCK. Annual Double Finest Mixed. (A). If sown in open ground in May these will bloom in August. Earlier blooming may be obtained by starting indoors. Continuously covered by large flowers in variety of colors. Double and semi-double. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

For Hollyhock Roots, See Page 70.

ICE PLANT—MESEMBRYANTHEMUM CRYSTALLINUM. (A). A trailing plant with singular icy foliage; most excellent for vases, hanging baskets or rockwork. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

LAVATERA. Rosea Splendens, Swiss Rose. (A). An annual Mallow, showy and effective for either large borders or cutting, with very large, bright rose flowers. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

LAVATERA—PERENNIAL SIBERIAN. (P). A beautiful, giant, hardy pink Mallow brought from Siberia by Professor N. E. Hansen. Pkt., 10c.

LOBELIA. Crystal Palace Compacta. (A). One of the best and most popular border plants, bushy, 6 inches high, with dark foliage and deepest blue flowers which fairly cover the plants throughout the season. Pkt., 10c; $\frac{1}{4}$ oz., 95c.

SHASTA DAISY. Alaska. (P). This hardy perennial can be grown out of doors anywhere with light Winter protection. The flowers are large with white petals and small golden centers. We offer the choicest obtainable strain. Pkt., 10c; $\frac{1}{4}$ oz., 90c.

AFRICAN DAISY. *Dimorphotheca Aurantiaca* Hybrids. (A). An easily grown, beautiful and extremely showy annual from South Africa. Plants grow about one foot high and enjoy a sunny location. This is one of the loveliest of flowers. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

For Shasta Daisy Roots, See Page 69.

DIANTHUS. Chinese Pink. (A & P). Like its relative, the carnation, the Dianthus is supremely beautiful. Our mixture ranges from pure white to the most delicate pink and deep glowing crimson. It includes all the standard sorts and all the newest spotted, striped and handsomely fringed varieties. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

DIGITALIS—FOXGLOVE. (P). Easily grown semi-hardy perennial attaining a height of from 2 to 4 feet and producing long spikes of beautiful tubular-shaped flowers. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

FORGET-ME-NOT. (P). These charming little favorites succeed best in cool, moist soils, blooming most freely during the Spring and Fall months. If lightly covered, they will live through the Winter and will bear even more profusely the second Spring than the first. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

FOUR O'CLOCK. Marvel of Peru. (A). A beautiful bushy, free-flowering old-fashioned favorite. The showy flowers open only in the afternoon or on cloudy days. A good annual hedge. Pkt., 5c; oz., 20c.

GAILLARDIA—BLANKET FLOWER. (P). This is one of the most satisfactory perennials, blooming from July 1st until frost. Our single mixture will give you all possible combinations of yellow and red. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

GERANIUM. (A). Sown early in the Spring, indoors, these are easily raised from seed and frequently reward the cultivator with charming new colorings. In fact, propagation by seed is the only way to obtain new varieties. Our mixture is of the largest and finest strains. Pkt., 10c.

GOURDS. Ornamental Mixed. (C). A valuable class of annual climbers. The gourds are of various sizes and colors and if allowed to ripen on the vines, can be kept for months as curiosities. Pkt., 5c; oz., 25c.

GYPHOPHILA ELEGANS GRANDIFLORA ALBA—ANGEL'S BREATH. (A). An improved white flowering strain of the delicately graceful favorite so much in demand for cutting and in combination with other flowers. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

GYPHOPHILA PANICULATA—BABY'S BREATH. (P). Graceful masses of tiny white flowers, useful in bouquets. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

HELIANTHUS. Chrysanthemum Flowered. (A). The best and most effective of all annual sunflowers. The flowers are immense, from 12 to 15 inches in diameter and extremely double. Especially adapted for hiding unsightly places. Pkt., 5c; oz., 35c.

HELIANTHUS — MAMMOTH RUSSIAN SUNFLOWER. (A). This is the old-fashioned heavy seed producer. Single heads measure from 12 to 22 inches across and contain an immense quantity of seed valuable as a poultry and stock food. Pkt., 5c; 1 lb., 25c, postpaid. By express or freight, 10 lbs., \$1.00.

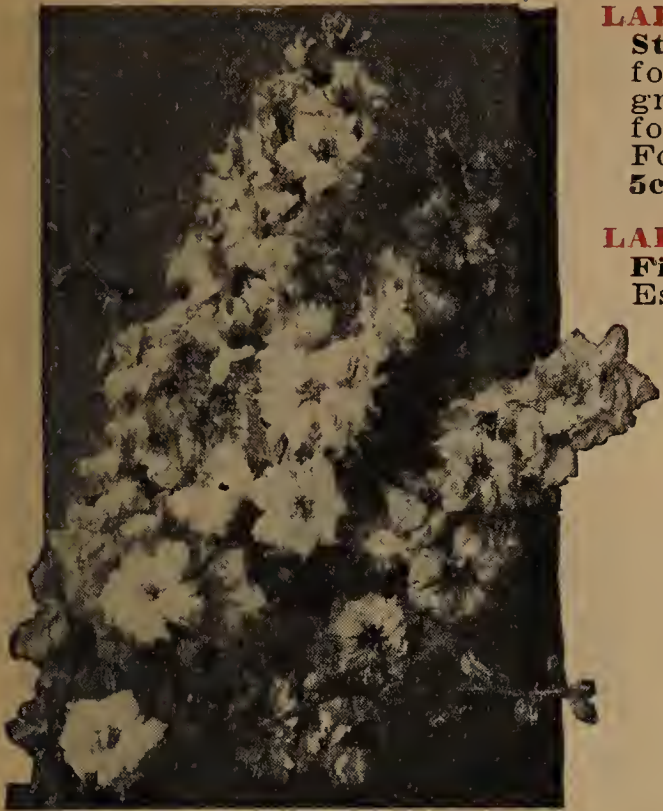
HELICHRYSUM — EVERLASTING or STRAW-FLOWER. (A). Much prized for durable bouquets and Winter decoration. To dry, gather flowers when unfolded and hang heads down in a cool place. Finest mixed. Pkt., 5c; $\frac{1}{4}$ oz., 20c.



Dianthus—Chinese Pink.



Pioneer Double Hollyhock.



Perennial Larkspur.

LARKSPUR—DELPHINIUM. Annual Tall Stock-Flowered Mixed. (A). The annual forms of Larkspur with their long, graceful spikes of bloom are valuable for borders and planting among shrubs. For early blooming, start indoors. Pkt., 5c; ¼ oz., 20c.

LARKSPUR—DELPHINIUM. Perennial Finest Mixed Gold Medal Hybrids. (P). Especially striking as backgrounds for borders, this quick-growing, free-flowering, old-fashioned perennial with its erect spikes of beautiful blossoms holds first rank. For blooms the first year, start indoors, Pkt., 10c; ¼ oz., 50c.
For Perennial Larkspur Roots, See Page 69.

MARIGOLD. The Eldorado—Tall African Double. (A). The plants grow 3 feet high with large, double, imbricated flowers, from 3 to 4 inches in diameter. Our strain embraces four shades of colors; the lightest primrose, lemon, golden yellow, and deep orange. Pkt., 5c; ¼ oz., 20c.



Eldorado Marigold.

MARIGOLD GUINEA GOLD. (A). Rich orange gold blossoms covering a plant 2 to 2½ feet tall. The blooms are 2 to 2½ inches across, double, and much more graceful in form than the old type Marigold, due to the longer and somewhat frilled petals. Pkt., 10c; ¼ oz., 45c.

MARIGOLD. French Mixed. (A). A dwarf strain forming ball-like bushes 1 foot high, quick growth and free-flowering habit. The double flowering sorts of our mixture include most beautiful colors. Pkt., 5c; ¼ oz., 15c.

MIGNONETTE. Machel. (A). The best everblooming strain for either outdoor or inside planting. It is of dwarf pyramidal growth, with numerous flower stalks. The blossoms are highly colored and very fragrant. Pkt., 5c; ¼ oz., 15c.

FINEST MIXED MORNING GLORY—CONVOLVULUS MAJOR. (A-C). A fine mixture of the old-fashioned, yet ever popular climber. Pkt., 5c; oz., 15c; ¼ lb., 45c.

MORNING GLORY—HEAVENLY BLUE. (A). The finest of morning glories and a profuse bloomer, its true blue, white throated flowers are 3 to 4 inches across. Pkt., 15c; ¼ oz., 40c.

JAPANESE MORNING GLORY—IPOMOEA IMPERIALIS. (A-C). The delicately colored flowers range from snow-white to black purple. Requiring a warm situation for best growth, vines will frequently make 18 feet in a Summer. Leaves are attractive in their variations. Pkt., 5c; oz., 20c; ¼ lb., 75c.

NIGELLA—(Love-In-A-Mist.) Miss Jekyll. (A). A favorite, compact growing plant in whose fine feathery foliage nestle lovely double blue flowers. Pkt., 10c; ¼ oz., 20c.

NICOTIANA. Affinis Hybrids. (A). Our splendid hybrids give a profuse display of delightfully sweet-scented, showy, many shaded blooms from July until frost. The bushy plants are from 2 to 3 feet high. Pkt., 10c; ¼ oz., 25c.



Dwarf Mixed Nasturtium.

NASTURTIIUMS (A)

NASTURTIIUMS. (A). GOLDEN GLEAM-DOUBLE SWEET SCENTED.

The new Nasturtium that has attained instant popularity. The golden yellow, double blooms are very sweet scented and borne well above the foliage on strong, bushy plants. Pkt., 15c; ½ oz., 40c; oz., 75c.

WILL'S PIONEER BRAND DWARF MIXED NASTURTIIUMS. (A).

Our mixture is the best obtainable and very desirable for bedding, vases and pot plants. The seed should be planted in rows one to two feet apart, and when well started, thinned to 10 inches in the rows. Plants bloom freely and the flowers embrace every desirable color. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00.

WILL'S SUPERB TALL MIXED NASTURTIIUMS. (A).

Our magnificent strain makes a strong growth of from 5 to 6 feet, flowering freely from Spring to Fall with large blooms of the most brilliant shades. These are remarkable for their wide range, embracing rose, salmon-pink, light yellow, deep orange, velvet maroon, and purple in clear color, as well as every conceivable fancy in stripe and blotch. We are proud of our selection, which we feel deserves a place in every garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00.



Royal Show Pansies.

WILL'S PANSIES (P)

Culture. Pansies are the most popular of all flowers and everyone should grow a bed of this hardy group. Best results may be had by sowing seed indoors in February, transplanting when large enough, one inch apart, and then again to the open ground in May. The largest sized flowers can only be attained in rich soil. Manure from the cow stable is especially beneficial.

WILL'S ROYAL SHOW. (A). We have spared neither care nor expense in our efforts to make Will's Royal Show Pansies the best mixture obtainable. The colorings and markings are diverse beyond belief. The blooms are all that can be desired in size and form. Pkt., 15c; 2 pkts., 25c; ¼ oz., \$1.75.

WILL'S PREMIUM MIXTURE. (A). While not to be compared with the Royal Show, Will's Premium Mixture has large blooms in complete color range, and will please everyone who enjoys Pansies and can appreciate quality of color, shape, and substance. Pkt., 5c; ¼ oz., 60c.
For Pansy Plants, See Page 59.



Phlox Drummondii.

PHLOX. Drummondii Grandiflora. (A). Of all Summer flowering annuals, Phlox Drummondii stands among the most brilliant and satisfactory. The trusses are large and well rounded, while the individual florets are as large as those of the perennial Phloxes. The colors we offer in our superb mixture are most distinct and brilliant. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

PENTSTEMON GRANDIFLORA — BEARD TONGUE. (P).

One of the most beautiful of our native perennial flowers and absolutely hardy. The plant grows 2 feet high, blooming in early July, with long spikes of large lavender, bell-shaped blossoms. Fine for cutting and color masses. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

PORTULACA—ROSE MOSS. (A).

A hardy dwarf annual of easy culture. It thrives anywhere and produces an abundance of brilliant blooms where almost any other plant would die. The flowers are rich and brilliant in coloring. Fine for beds, borders and rock planting. **DOUBLE MIXED.** Pkt., 10c; $\frac{1}{4}$ oz., 80c; oz., \$2.40.

SINGLE MIXED. Pkt., 5c; $\frac{1}{4}$ oz., 20c; oz., 55c.

PRIMROSE or PRIMULA. (T-A).

Japanese Primrose Mixture. Seed sown in April will make fine specimen plants which will begin to bloom in the Fall and continue through the Winter. Our mixture includes the choicest colors. Pkt., 10c.



Double Portulaca.

PETUNIAS (A)

Culture. The greatest care should be taken in planting Petunia seeds. The covering of soil should not exceed one-sixteenth of an inch in depth and while the earth must be kept warm and moist, excessive moisture must be avoided.

PRIZE DOUBLE. Our large flowering, fringed strain is the best Double Petunia seed obtainable. At least 50 per cent of the plants produced will have double or semi-double blooms. The intensely careful work necessary in pollenizing and harvesting makes our seed worth its weight in gold. About 160 seeds to a packet. Pkt., 20c; 2 pkts., 35c.

HYBRIDA GRANDIFLORA. In this mixture will be found all the choicest and most beautiful single and semi-double flowers in cultivation. The colorings and markings are simply wonderful. Our seed is saved from strong, thrifty, free-flowering plants which show the richest colors and most striking markings. Pkt., 10c; $\frac{1}{4}$ oz., 55c.

ROSY MORN. A dwarf Petunia, dainty and effective for borders and window boxes. In color a soft carmine pink with white throat. Pkt., 10c; $\frac{1}{4}$ oz., 90c. For Single and Double Petunia Plants See Page 59.



Prize Double Petunias.

POPPIES (A)

ICELAND POPPY. (P). The large, gaily colored, cup-shaped flowers bloom on leafless stems 1 foot tall that spring from graceful tufts of green foliage. Pkt., 10c; $\frac{1}{4}$ oz., 45c.

SHIRLEY POPPY. The large, graceful flowers range in color through all shades of rose, pink, carmine and brilliant crimson. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

BLUE MAW POPPY. This seed is not intended for planting, but is used in cooking by the people of Central and Southeastern Europe, and quite largely by people from those districts who have settled in this country. $\frac{1}{4}$ lb., 15c; 1 lb., 40c, postpaid.

MIXED CARNATION POPPY. This is the finest double mixture ever offered. It includes the most brilliant and delicately tinted sorts and a bed of this strain makes a truly gorgeous display. Pkt., 5c; $\frac{1}{2}$ oz., 15c.

FLANDERS POPPY. Hardy and easily grown. The vivid scarlet-red flowers cannot be surpassed for effect when massed in solid beds. The official flower of the American Legion. Pkt., 10c; $\frac{1}{4}$ oz., 20c.



Carnation Poppy.

CALIFORNIA POPPY or ESCHSCHOLTZIA.

Crimson, white and gold. A showy, free-flowering plant of low, spreading growth and finely divided silver-gray foliage. Seed should be sown thinly and early in the Spring where plants are to bloom. Where a solid bed is desired, seed may be thinly broadcast and raked in. This is the most effective way of planting this gorgeous flower. We can supply separate colors in one-fourth ounces. Pkt., 10c; $\frac{1}{4}$ oz., 15c.

MIXED ORIENTAL POPPY.

(P). Unrivalled for gorgeous effectiveness in perennial borders and shrubberies, the blooms are immense, frequently six inches across. Pkt., 10c; $\frac{1}{4}$ oz., 70c.

RICINUS—CASTOR BEANS.

(A). Strong growing ornamental plants of stately growth, ornamental foliage, and brilliant colored fruit. Much used for center plants in beds and for massing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c.



California Poppy—Eschscholtzia.

SALVIA. Clara Bedman or Bonfire. (T-A). Its erect spikes of brilliant scarlet flowers make this one of the most handsome of Salvias. It makes a good pot plant and does well in window boxes, but is best used as a hedge or border plant for brilliant color effect. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00.

SCHIZANTHUS—BUTTERFLY FLOWER. Wisetonensis. (A). Also called "Poor Man's Orchid." One of the daintiest of annuals, of easiest culture, this very early bloomer is completely covered with small but bright butterfly-like flowers in wide range of color and bi-color. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

SNOW-ON-THE-MOUNTAIN—EUPHORBIA VARIEGATA. (A). A bushy plant with insignificant flowers, but whose broad green leaves are heavily margined with silvery white, much used in mixed borders and as a background for lower growing plants. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



Salpiglossis or Velvet Flower.



Scabiosa—Mourning Bride.

SCABIOSA—MOURNING BRIDE. (A). Our large flowering tall double sort forms compact, rounded plants of dark green foliage, 10 inches in height. The flowers are borne on tall, slender stems 20 inches in length and bloom from the middle of July to frost. Scabiosa is prized for cutting and much used for borders. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

SWEET ROCKET—HESPERIS. (B). An old-fashioned plant growing 2 to 3 feet high, bearing spikes of showy fragrant flowers. Used for borders and cutting. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

VERBENA HYBRIDA. Mammoth Choice Mixed. A most popular annual of many uses, bearing large clusters of showy flowers through a long season until frost. The colors of our mixture are rich and varied and include all the brighter shades. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

SALPIGLOSSIS. Superbissima or Emperor. "Velvet Flower or Painted Tongue." (A). A free-flowering annual succeeding best in cool, moist soils. The large flowers borne by plants of our mixture are most vividly spotted and striped on ground colors of deep blue, rose, violet, yellow and reddish bronze. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

DOUBLE LILIPUT or POMPON ZINNIA—MIXED. (A). A profuse blooming, small flowering type growing 12 to 15 inches tall. The flowers are very double, buttonlike and about 1 inch in diameter. Pkt., 10c; $\frac{1}{4}$ oz., 25c; 1 oz., 90c.

ZINNIA. Dahlia Flowered—Gold Medal Mixture. (A). The Dahlia Flowered Strain is the biggest advance in the development of the Zinnia to date. This old-fashioned favorite is much used for bedding and borders and lately for cutting. Few flowers are more easily grown or bloom more abundantly. With this new strain you can have larger, handsomer, and more brilliant Zinnias than ever before. Our seed is from the originator and vastly superior to much that is offered. Pkt., 10c; $\frac{1}{4}$ oz., 50c; oz., \$1.50.

ZEAL—RAINBOW CORN. Japonica Quadricolor Perfecta. (A). The leaves are striped in yellow, green, rose and dark red. The plants grow from 4 to 6 feet high and

are objects of beauty in mixed beds and borders. Pkt., 10c. Peruvian Red. The leaves, stalks, and ears are a rich dark red. Pkt., 10c.

SWEET WILLIAM.

Dianthus Barbatius.

(P). These make wonderful border plants, with heads of bloom of great size and wonderful beauty. If given proper care the plants will last many years, although they may be easily raised from seed each season. Our mixture combines many rich and beautiful colors of this old favorite. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

STOCK. Dwarf Ten Weeks.

(A). The large flower spikes are borne in great profusion. They are of beautiful coloring, rich fragrance, and excellent keeping quality. Our strain is of the best for bedding and early summer flowering. Pkt., 10c; $\frac{1}{4}$ oz., 40c.



Dahlia Flowered Zinnia. Gold Medal Mixture.



Sweet William.



Dwarf Ten Weeks Stocks.



Early Flowering Spencer Sweet Peas

Will's Sweet Peas

SWEET PEA COLLECTION

One regular packet of each of the 14 varieties of Sweet Peas listed on next page. If purchased separately would cost \$1.40. Will sow 80 feet of row.

95c

Choice Mixed Sweet Peas

EARLY FLOWERING SPENCER MIXTURE. These bloom two weeks before the standard Spencer varieties, but with the same large, waved flowers. They have replaced the standard Spencers in greenhouse planting and, though they do not grow quite as tall, their earliness and long season of bloom make them invaluable in outdoor planting, particularly in the short seasoned north. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.65; 1 lb., \$3.00.

RUFFLED SPENCER MIXED SWEET PEAS. The newest and finest in Sweet Peas with gigantic blooms so ruffled and frilled that they appear almost double; a treat for all lovers of Sweet Peas. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$2.10; $\frac{1}{2}$ lb., \$3.75; 1 lb., \$7.00.

WILL'S IMPERIAL MIXED SWEET PEAS. A blend of all the best Spencer Strains and the old, but ever popular Grandiflora types. Every color of the rainbow in unlimited variety is represented in every possible combination; striped, blotched, mottled, and margined. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.

WILL'S GIANT SPENCER MIXED SWEET PEAS. A blend in proper proportions of many splendid varieties of the large waved Spencer or orchid-flowered type throughout the whole range of color. Not in bloom as early as the Early Flowering, this mixture will give stronger growth to vine and will bloom later. This mixture has involved careful selection and we highly recommend it. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.80.

A Few Suggestions

The Sweet Pea plant or vine succeeds best in cool, moist, yet well drained soil. To secure the longest possible season of bloom the seed must be planted early. The best mode of planting is the trench method. The trench is dug two feet deep and two feet wide, and filled nearly to the surface of the ground with a mixture of well rotted manure and rich soil, with a six-inch layer of soil at the top. The seed should be sown, two inches deep, at the rate of one ounce to twenty feet. During dry weather the ground should be thoroughly soaked once or twice each week. A light spraying of the vines in the evening during hot weather will be found beneficial, and the earth should at all times be kept loose about the plants to a depth of two inches. Sweet Peas should be cut early in the morning and the more closely the flowers are kept cut off the longer will be the period of bloom. Remember, the vines quickly wither if allowed to produce any great amount of seed. Spray thoroughly and often to prevent infection by aphids.



Will's Giant Spencer Sweet Peas

Treat Sweet Peas with

NITRAGIN

Garden Size 25¢, Postpaid

See Page 55



My Sweet Peas in particular from you last year were nothing short of wonderful!

MRS. G. A. RESCH, Regina, Sask., Canada.

WILL'S SWEET PEAS

Summer Flowering Spencer Varieties

These are the orchid-flowered or large waved Sweet Peas. We have endeavored to select for you the choicest and most beautiful varieties. About 100 seeds in a packet.

The following varieties of Sweet Peas are priced at: Pkt., 10c; oz., 25c; ¼ lb., 90c, postpaid. One packet of each, or 14 packets, 95c.

- AUSTIN FREDERICK IMPROVED.** The large pure lavender flowers are borne on long stiff stems with fours predominating. We regard this variety as the best lavender Sweet Pea.
- AVALANCHE.** A pure glistening white and the best white we know.
- BRILLIANT ROSE.** A lovely bright rose, and the most desirable of its color class. The large, beautiful flowers are borne on long stems.
- COMMANDER GODSALL.** A free blooming deep violet-blue.
- CRIMSON KING.** Probably the finest Sweet Pea of a true crimson shade. A bold flower of excellent shape.
- FLUFFY RUFFLES.** An exquisite light cream pink. A great big flower ruffled and frilled.
- MARY PICKFORD.** A very large flower, dainty cream pink with a soft suffusion of salmon, and a profuse bloomer.

- MRS. A. SEARLES.** A bright orange-cerise with golden glow. A fine new variety of wonderful size, we regard this as the best deep cerise.
- OLYMPIA.** A large, deep rich purple flower of exquisite form. The best purple.
- PINKIE.** A very fine deep pink of largest size.
- REFLECTION.** The best clear blue.
- ROYAL SCOT.** A brilliant orange-scarlet that does not fade or burn in the hottest sunshine.
- WARRIOR.** A rich chocolate-maroon shaded lightly with bronze, a free bloomer and strong grower.
- WHAT JOY.** A rich deep primrose-yellow.



SEE PAGE 55

Treat Sweet Peas with Nitragin

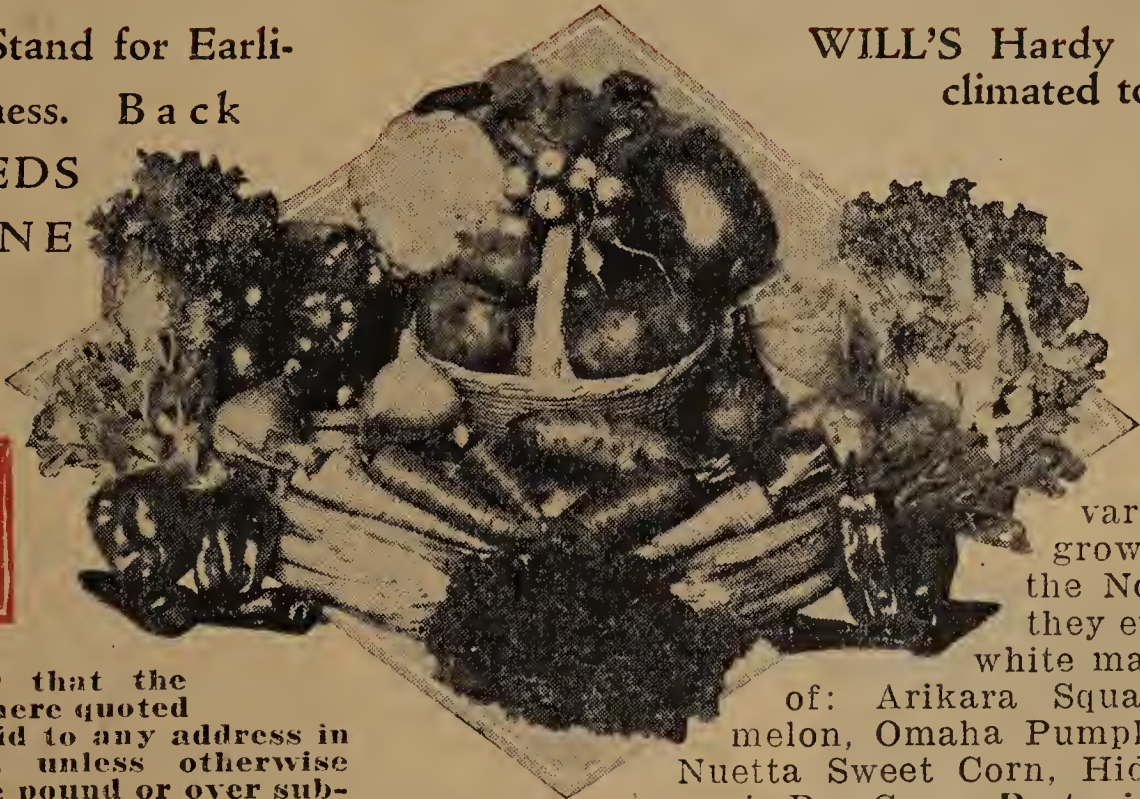
Each of the fourteen varieties of Sweet Peas listed above sells for: Pkt., 10c; oz., 25c; ¼ lb., 90c, postpaid. Fourteen packets, one of each sort, for 95c.

Will's Pioneer Vegetable Seeds Grow Quick

WILL'S SEEDS Stand for Earliness and Hardiness. Back of WILL'S SEEDS are FIFTY-ONE YEARS of Experience



Please remember that the Garden Seed prices here quoted are by mail, postpaid to any address in the United States, unless otherwise noted. Prices of one pound or over subject to change.



WILL'S Hardy Garden Seeds, Acclimated to the Northwest, Do Well Everywhere

WILL'S PIONEER INDIAN COLLECTION

Seven packets of the same vegetable varieties that were grown by the Indians of the Northwest long before they ever saw or heard of a white man. One packet each of: Arikara Squash, Arikara Watermelon, Omaha Pumpkin, Mandan Squash, Nuetta Sweet Corn, Hidatsa Beans and Iriquois Pop Corn. Postpaid, price, 30c.

PLANTING TABLE FOR VEGETABLES

For the Farm Garden we recommend that all rows be equal distances apart and that that distance be the same as that of the cultivated field crops of the farm.

Ft. of Row for Five Persons	Kind of Vegetable	Dist. Apart of Plants in Rows (Inches)	Least Dist. Between Rows (Inches)	Seed for 100 Feet of Row	Ft. of Row for Five Persons	Kind of Vegetable	Dist. Apart of Plants in Rows (Inches)	Least Dist. Between Rows (Inches)	Seed for 100 Feet of Row
200	*Beans—Dwarf, Snap	2-5.....	20.....	1½ lbs.	300	Onions.....	4-6.....	14.....	½ oz.
100	Beans—Dwarf, Lima	6.....	20.....	1½ lbs.	200	Onions, from sets.....	2-3.....	16.....	3 pts. sets.
150	*Beets.....	2-4.....	18.....	1 oz.	50	Parsnip.....	3-5.....	18.....	½ oz.
200	Cabbage.....	16-24.....	24.....	50-75 plants.	300	*Peas.....	¾-1½....	30.....	2 lbs.
50	Cauliflower....	16-24.....	24.....	50-75 plants.	25	Peppers.....	16.....	24.....	20 plants.
50	*Carrot.....	2.....	18.....	1 oz.	800	Potatoes, Early.....	14-18....	30.....	½ peck.
50	Celery.....	4-8.....	18.....	200 plants.	150	*Radish.....	1-2.....	16.....	1 oz.
500	*Corn, Sweet..	16-36.....	30.....	¼ lb.	200	*Spinach.....	1-3.....	18.....	1 oz.
100	Cucumber.....	48.....	Hills 48..	½ oz.	25	Squash, Summer....	Hills 42..	42.....	½ oz.
25	Eggplant.....	20-30.....	24.....	50 plants.	100	Tomato.....	30.....	36.....	40 plants.
150	*Lettuce.....	4-8.....	Beds 6...	½ oz.	800	*Turnip.....	2-4.....	18.....	½ oz.
150	Muskmelon...	Hills 72..	72.....	½ oz.					

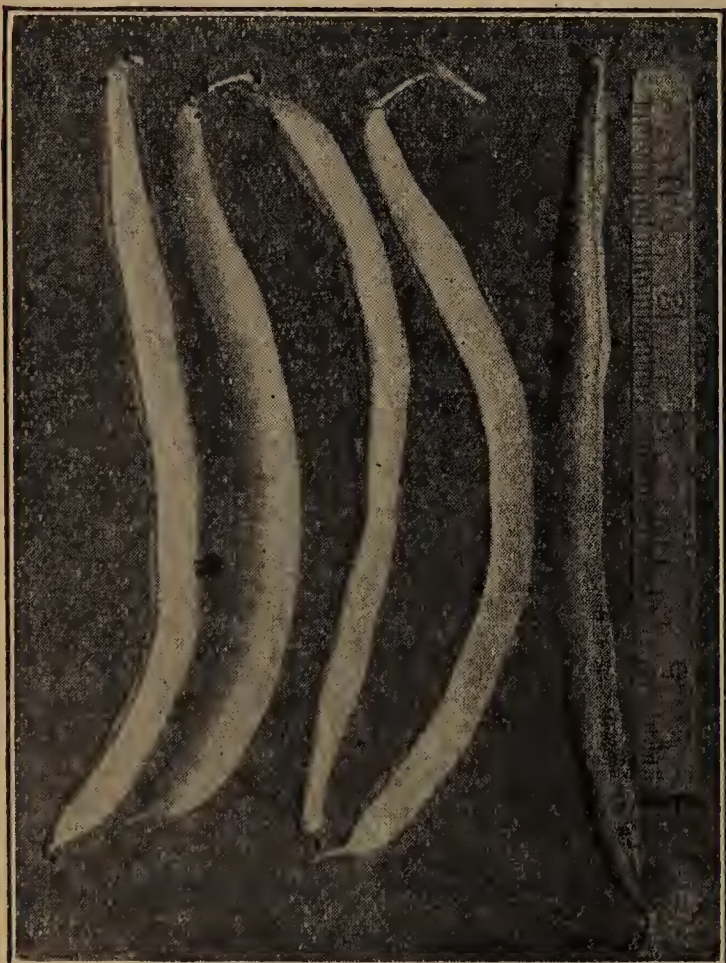
These vegetables marked * should not all be planted at one time, but apart at intervals of 2 or 3 weeks to secure a continuous supply.



Green Pod Stringless Beans.

PENCIL POD BLACK WAX. An old favorite sort, hardy, productive and of excellent flavor. Long, golden yellow pods, stringless and brittle. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 22c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

NEW KIDNEY WAX. A productive and high quality mid-season variety, stringless, fiberless, very fleshy and brittle. The flat pods average $6\frac{1}{2}$ inches long and are an attractive,



Pencil Pod Black Wax.

clear yellow in color. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.30; 10 lbs., \$2.20.

UNRIVALLED WAX.

An immensely productive, very early, showy sort. The fleshy pods are clear yellow in color, with a trace of string but quite fiberless. The plant is very vigorous.

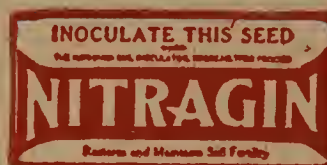
This is one of the best yellow podded varieties. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.30; 10 lbs., \$2.20.

Bohnen
(Ger.)

Will's Beans

Boenner
(Scan.)

Ask for Prices on Large Lots



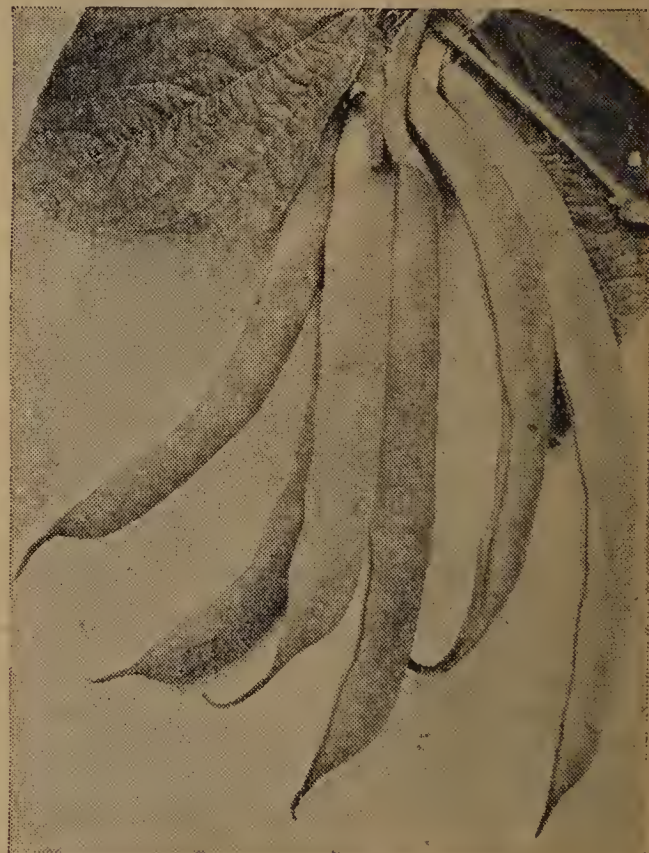
See Page 55

CULTURE: Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart, and the rows 18 inches apart. For field culture make the rows three or three and one-half feet apart, and cover with two inches mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop. One pound of beans is a little more than one pint.

DWARF OR BUSH BEANS

BOUNTIFUL. A favorite throughout the Northwest for its earliness, hardiness, and productivity. The light green pods average 6 to 7 inches in length and are stringless, thick, flat, slightly fibrous, and of excellent quality, although not quite up to the Green Pod Stringless. Its hardiness and yield under adverse conditions are its best qualities. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 22c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

GREEN POD STRINGLESS. This most widely grown of all the green podded sorts is very early and of best quality. The dark green pods are round, straight, thick, meaty, strictly stringless and brittle. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 22c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.



Bountiful.

I've sent for seeds here; I've sent for seeds there, and thought they'd stand the test. But when I send to Oscar Wills, I always get the best.

MRS. BERT JACKSON, Halliday, N. D.

Dwarf or Bush Beans



Sure Crop Stringless.

SURECROP STRING- LESS WAX.

A heavy yielding and delicious wax bean. Very bushy with long flat yellow pods. Has been increasingly popular every year since its introduction. Absolutely stringless; very hardy; rust resistant with a very strong plant growth. An excellent main crop wax bean. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 22c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

IMPROVED GOLDEN WAX.

This is the very finest selected strain of the Golden Wax bean, and has for years been our most popular sort. It seems to be especially suited to Northwestern climatic conditions. Pods are large, fleshy, and entirely stringless. Color is a bright golden. A very early sort, and highly rust resistant. Pkt., 5c; $\frac{1}{4}$ lb., 12c; $\frac{1}{2}$ lb., 20c; 1 lb., 32c, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65.



Improved Golden Wax.

POLE BEANS

KENTUCKY WONDER WAX. The best pole wax bean for northern planting. The light yellow pods are 8 to 9 inches long, thick, very fleshy and brittle. This is one of the earliest of the pole sorts. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.30; 10 lbs., \$2.20.

KENTUCKY WONDER or OLD HOMESTEAD. The most popular green-podded climbing bean. The pods are 8 to 9 inches long, fleshy, curved, tender and of good quality. The old reliable. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 22c; 1 lb., 33c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

BUSH LIMA

JACKSON WONDER. This small seeded, calico colored Lima is the earliest Lima Bean we ever had in our trials and most dependable for this section. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.35; 10 lbs., \$2.30.

FORDHOOK BUSH LIMA. One of the very earliest of all Limas. Pods of good length and contain from 4 to 5 large, thick, white beans. A wonderful producer and of excellent quality. Pkt., 10c; $\frac{1}{4}$ lb., 17c; $\frac{1}{2}$ lb., 27c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.75; 10 lbs., \$3.15.

NEW WONDER. This is a standard variety in the Northwest. It is of compact growth and not inclined to runners as are many Bush Limas. The beans are broad, thin and flat. The flavor is delicate and the yield excellent. Pkt., 10c; $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 26c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.45.

SHELL or SNAP BEANS

ENGLISH BROAD WINDSOR. The broad bean is one of the common household vegetables in Great Britain and on the Continent of Europe, and is very much esteemed there. This is the heaviest cropping broad bean. Delicious either cooked fresh or as a Winter shell bean. Pkt., 10c; $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 26c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.45.

DWARF HORTICULTURAL or CRANBERRY. The old fashioned New England snap and shell Bean, and you haven't tasted succotash until you have tried building it around this Bean. The pods are about 5 inches long, flat, almost stringless, greenish-yellow splashed with carmine. The seeds are deep buff, streaked with dark red. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 38c, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.15.



Jackson Wonder Bush Lima.

Field Beans



Great Northern Baking Beans. Natural Size.

GREAT NORTHERN

The Most Delicious Baking Bean in the World

Everyone knows the Great Northern Bean, but few know that the seed was originally obtained by Oscar H. Will forty-eight years ago from Son of a Star, an Hidatsa Indian, by whose tribe it had been raised for many years. Hardy, a wonderful yielder, sweeter, more tender, more readily digestible, and more quickly cooked than Navy Beans, the Great Northern is one of the most largely grown field sorts. $\frac{1}{4}$ lb., 7c; $\frac{1}{2}$ lb., 12c; 1 lb., 20c. Not prepaid: 10 lbs., 95c; 100 lbs., \$7.50.

Spargel (Ger.)

Asparagus

Asperges (Scan.)

Culture. One ounce will sow fifty feet of drill. Sow early in Spring in rows one foot apart; when one year old the roots may be taken up and transplanted in permanent beds, which should be made by taking out the soil to a depth of about 16 inches; fill in with six inches of well rotted stable manure, then six inches of soil somewhat firmed. Place the roots on the same about 10 inches apart with the roots well spread out, and cover so that the crown will be about four inches below the surface. Keep the surface well raked to keep down the weeds until the shoots appear.

MARY WASHINGTON. The new rust resistant variety developed by the experts of the U. S. Department of Agriculture which we believe will soon be grown to the exclusion of all other varieties. A very heavy yielding pedigreed strain; the rich, dark green stalks are long, thick and heavy. About 225 seeds to a packet. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25, postpaid.

Asparagus Roots

MARY WASHINGTON. Price, postpaid, doz., 35c; 50c, \$1.00; 100, \$1.75. F. O. B. here, 50, 90c; 100, \$1.65.

Rosenkohl (Ger.)

BRUSSELS SPROUTS

Rosenkaal (Scan.)

LONG ISLAND IMPROVED. Undoubtedly the best and most dependable sort of this most delicately flavored of the Cabbage family. This variety is the earliest most dwarf and compact. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

Blätterkohl (Ger.)

BORECOLE OR KALE

Greenkaal (Scan.)

GREEN CURLED or SCOTCH. This is more hardy than cabbage and makes excellent greens for Fall and early Spring. A good frost improves the quality. About 1300 seeds to the packet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00, postpaid.

Spargelkohl (Ger.)

BROCCOLI

Broccoli-Kaal (Scan.)

ITALIAN GREEN SPROUTING. A distinct variety forming a large solid head, which remains green. When the central head is cut, numerous sprouts develop from the leaf axes, each sprout terminating in a small green head. Cooked as is cauliflower, it is very easily grown and decidedly worth trying. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Kerbel (Ger.)

CHERVIL

Kjoervel (Scan.)

CURLED. More handsome and finely curled than parsley and useful in garnishing. Our strain is very early and finely flavored. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.80, postpaid.



Washington Asparagus.

I want another packet of Broccoli and try it again this year. I got seed from you last year and had lovely Broccoli and many different people wondered what it was.

MRS. J. J. HAACK, Detroit Lakes, Minn.

Cichorienwurzel
(Ger.)**Chicory**Cichorie
(Scan.)

LARGE ROOTED or COFFEE. The roots, dried, cut in thin slices, roasted and ground, are used largely as a substitute for coffee. The leaves make an excellent salad for early Spring use. About 2000 seeds to the packet. Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.

Schnittlauch
(Ger.)**Chives**

SCHNITTLAUCH (Grass Onion). The perennial plants grow about ten inches high and the tops, which may be cut frequently, are used in salads and for flavoring soups and stews. About 1200 seeds to the packet. Pkt., 10c; oz., 50c. Clumps: Each, 25c; 3, 70c, postpaid.

Feldsalat
(Ger.)**Corn Salad**Vaarsalat
(Scan.)

LARGE ROUND-LEAVED. This is a small, quick growing salad plant for late Fall or early Spring. It may also be cooked for greens. About 300 seeds to the packet. Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.

Garten-Kresse
(Ger.)**Cress**Karse
(Scan.)

UPLAND. Its leaves impart an agreeable and pungent taste to salads, and are also used for garnishing. About 1700 seeds to the packet. Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.

Endivien
(Ger.)**Endive**Endivie
(Scan.)

MAMMOTH GREEN CURLED. The standard variety with finely divided leaves which give the plant a mossy appearance. Endive is coming rapidly into favor for greens because of its excellent flavor. About 1400 seeds to the packet. Pkt., 5c; oz., 12c; ¼ lb., 45c, postpaid.

BROAD LEAVED BATAVIAN or ESCAROLE. One of the best varieties for salads. Pkt., 5c; oz., 10c; ¼ lb., 35c, postpaid.

I planted Endive last year. I canned 89 quarts, and I think one of the finest greens I have ever eaten; also rapid growing.
MRS. JOE READICKER, Volt, Mont.

Eierpflanze
(Ger.)**Eggplant**Aegplante
(Scan.)

CULTURE: Sow the seed (which is slow to germinate) in hotbed or in pots or boxes in the house early in the Spring. When all danger of frost is past, transplant in the open ground 2 by 3 feet apart.

Care must be taken not to allow the plants to be checked in growth. Watering may be necessary in extremely dry years, but this delicious vegetable will repay any trouble taken and should be in every garden. About 325 seeds to the packet.

EXTRA EARLY DWARF. This is the very earliest Eggplant grown, ripening nearly two weeks before any of the late sorts. The fruit is perhaps even more delicious than the larger sorts, and it is altogether an exceedingly satisfactory sort for our section. Pkt., 10c; oz., 50c; ¼ lb., \$1.75, postpaid.

BLACK BEAUTY. This is the very earliest of the large type Eggplant and is an excellent variety as well for several other reasons. The fruit is a very uniform dark purple, the size is large and uniform and the color and texture hold for an unusually long time. Pkt., 10c; oz., 35c; ¼ lb., \$1.25, postpaid.

Extra Early Dwarf Eggplant.

For Eggplant Plants, See Page 58.

Gourds

NEST EGG. Resembling in color, shape and size the hen's egg. Do not crack, last for years, and make the best nest eggs. Rapid grower and useful in covering screens, etc. About 60 seeds to the packet. Pkt., 5c; oz., 20c; ¼ lb., 70c, postpaid.

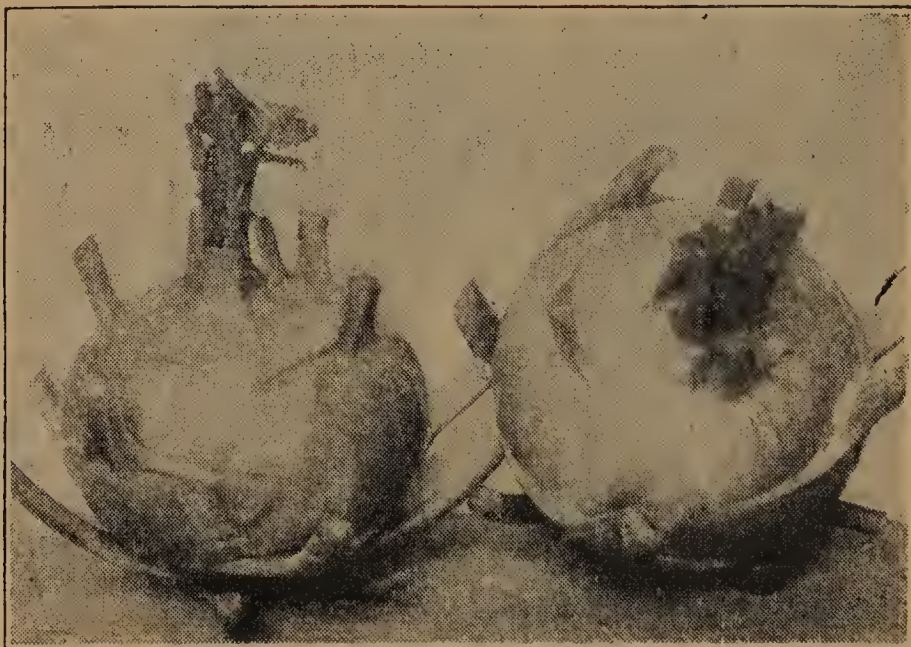
NEW JAPANESE DISHCLOTH or LUFFA. Ornamental enough for a house vine and fruit is very useful. Fruit enormous, two feet in length and borne in great profusion. The lining of mature fruit, when washed and bleached, is porous, elastic and sponge-like, besides being useful for various articles of fancy work. Pkt., 5c; oz., 25c; ¼ lb., 70c, postpaid.

Lauch
(Ger.)**Leek**Purre
(Scan.)

LARGE LONDON or FLAG. Sow early in a bed. When 6 inches high, trim off tops and transplant in rows 4 inches apart. About 1200 seeds to the packet. Pkt., 10c; oz., 20c; ¼ lb., 60c, postpaid.

Ocher
(Ger.)**Okra**Hibiskus
(Scan.)

DWARF GREEN. A southern vegetable that is not difficult to raise in North Dakota. Start plants inside and transplant after frost is over. This is the earliest variety. About 70 seeds to the packet. Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.

Knoll Kohl
(Ger.)**Kohl-Rabi**Kaalrabi
(Scan.)

EARLY WHITE VIENNA. This best Kohl-rabi for table use is extra early and easily grown. The very light green or nearly white bulbs are firm and distinctly sweet, and when cooked are crisp, tender and most delicate and tasty. Pkt., 5c; oz., 20c; ¼ lb., 70c.

Mangels or Stock Beets

A necessity for stock and poultry. Mangels, with their enormous yields, furnish body building material and maintain general good health.



Golden Giant Mangel

CULTURE: Sow in April and May in a deep, mellow seed bed, well manured, in drills 18 inches apart and about two inches deep. Four to six pounds are required to the acre. About 450 seeds in a packet.

GOLDEN GIANT or DANISH SLUDSTRUP. The ovoid roots are reddish yellow, growing more than half above ground and easily harvested. By actual tests this far excels any other variety in weight and feeding value. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; 1 lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.

MAMMOTH LONG RED. This is the heaviest cropping and largest of all Mangels with frequent yields of 40 tons per acre. It grows well above ground and is easily harvested. The deep red roots are straight, well formed and solid. The flesh is pinkish white. This variety is particularly adapted to a deep soil. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.

RED ECKENDORF. This is a phenomenal yielder and more largely planted in Germany than any other sort. Is easy to harvest as the root comes to the largest part above ground. Roots are smooth, of cylindrical shape, and weigh from 15 to 25 lbs. The flesh is white, firm and of high nutritive value. One of the best varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.

GIANT HALF SUGAR ROSE.

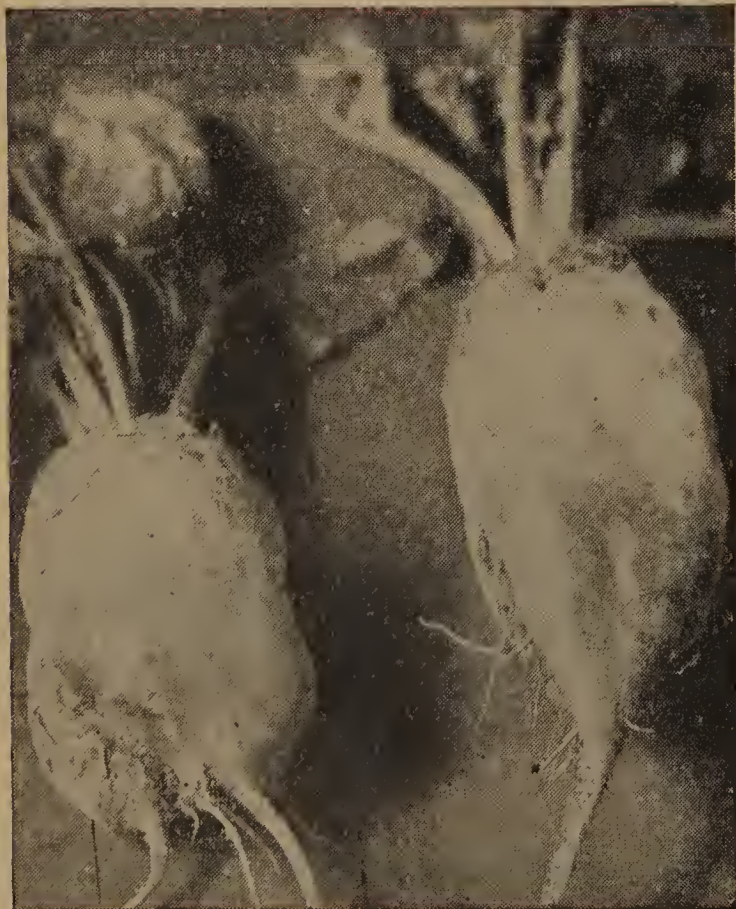
This is an intermediate type between the sugar beet and mangel, combines sugar content to a degree with the size of the mangel, thus improving the quality of the feed and maintaining the quantity. Rose colored skin, white flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; 1 lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.



Mammoth Long Red Mangel

GOLDEN TANKARD. A variety noted for its milk producing properties. The flesh is firm and solid and of a rich golden yellow color. It grows well above the ground and yields well on light soil. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.

TAAROJE BARRES. This superior variety is a product of the Danish system of stock certification which has produced so many wonderful improved varieties. Pound for pound these Mangels very nearly equal sugar beets in their dry matter content. They grow largely out of ground, are of a short, thick shape and are very easily lifted. This is probably the highest yielding sort under good conditions. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 23c; $\frac{1}{2}$ lb., 40c; lb., 70c, postpaid. Not prepaid, 5 lbs., \$2.75.



Golden Tankard Mangel

Sugar Beet

KLEIN WANZLEBEN. A hardy and easily grown white, wedge-shaped sugar beet. This variety combines heavy yield with an extremely high sugar content. The sugar beet is not only a source of sugar but an excellent stock food and a heavy milk producer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 33c; 1 lb., 58c, postpaid. Not prepaid, 5 lbs., \$2.30.

Rübe
(Ger.)

Beets

Roedbede
(Scan.)

CULTURE: Sow in drills 15 to 18 inches apart as early as the ground can be worked in the Spring. When the plants are large enough to handle, thin to four or five inches apart in the row. One ounce of seed will sow fifty feet of drill; six pounds per acre. About 450 seeds in a packet.

EARLY WONDER. This selection from Crosby's Egyptian is not as early as the Will's Improved. The roots are very uniform and more nearly globe-shaped with very small top and tap root, dark red skin with deep blood-red flesh and very little zoning. A very popular variety with market gardeners and unexcelled for the home garden. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 42c; $\frac{1}{2}$ lb., 68c; lb., \$1.15, postpaid. Not prepaid, 5 lbs., \$5.10.



Detroit Dark Red Beet

mind the best vegetable that can be raised for greens. The outside leaves are picked off and the plant yields a constant crop from July well into September. The leaves are very large and picking a mess of Swiss Chard for greens is short work. In addition to its value for rich greens, the broad white stems and midribs may be cooked like asparagus or used for pickles. Swiss Chard gives big returns with little care. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00, postpaid.

I wish to say that I like your seed fine. We are way up here near the Canadian border and last year in spite of heat, dry weather and grasshoppers we had an abundance of good garden stuff. One vegetable "Will's Imp. Blood Turnip Beet" was especially good. We grew 40 bushels of beets from $\frac{1}{2}$ pound of seed, besides what we used as greens, baby beet pickles, etc., through the summer.

MRS. JOS. AHRENTZ, Sarles, N. D.

CHANGE OF ADDRESS

We shall appreciate notification by our customers of any change in address, as the edition of our year book is limited, and we want it to reach its proper destination.



**Will's Improved
Blood Turnip
Beets.**

WILL'S IMPROVED BLOOD TURNIP BEET.

This is an exceptionally fine strain of Crosby's Egyptian. The roots are somewhat flattened though globular, and the skin a very dark red in color. The flesh is of a slightly lighter shade and lightly zoned. The best first early Beet and a good keeper. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.10, postpaid. Not prepaid, 5 lbs., \$4.85.

DETROIT DARK RED. The best main crop Beet. The roots are smooth, medium size, globe-shaped. The skin is a dark blood red and the flesh is a solid vermilion-red with no zoning. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.10, postpaid. Not prepaid, 5 lbs., \$4.85.

OHIO CANNER. This deep blood red Beet is free from zoning, of fine even form, uniform in growth, tender, sweet, and free from stringiness. It is a few days later than our strain of Detroit Dark Red Beet, but holds its tenderness later in its growth than any other sort we have tried. Pkt., 10c; oz., 17c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; lb., \$1.50, postpaid.

LONG SMOOTH BLOOD. Best of the long garden Beets; drought resistant, a very good keeper and grows until late in the Fall. Excellent for sod planting. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 42c; $\frac{1}{2}$ lb., 68c; lb., \$1.15, postpaid.

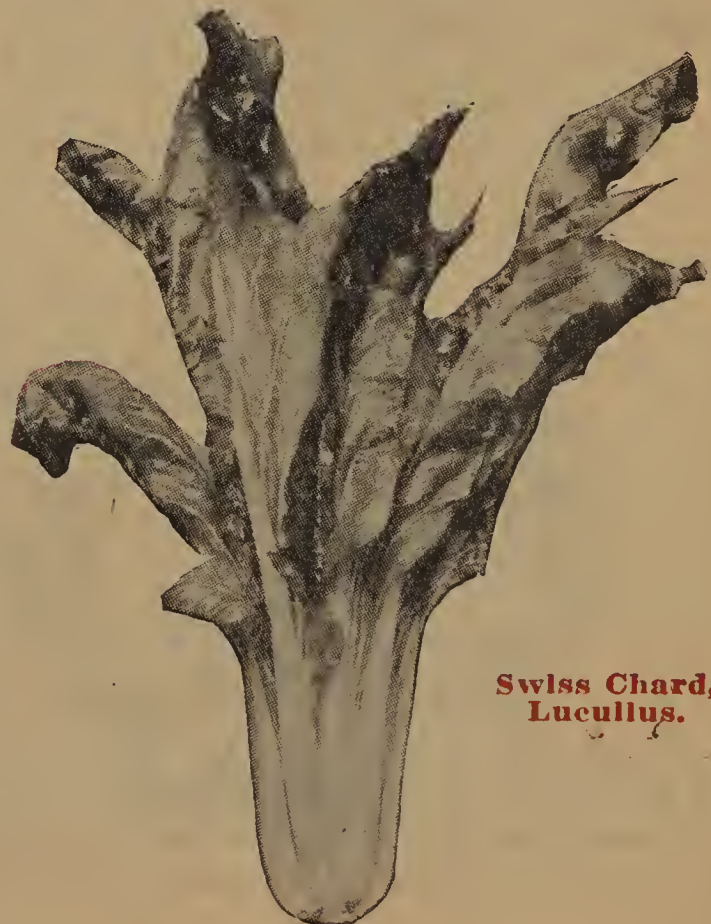
ECLIPSE. A very early variety with round, bright red roots. The flesh is crimson with pinkish white zones, crisp and tender. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 42c; $\frac{1}{2}$ lb., 68c; lb., \$1.15, postpaid. Not prepaid, 5 lbs., \$5.10.

Swiss Chard

Beisskohl (Ger.)

Bladbede (Scan.)

LUCULLUS. To our



**Swiss Chard,
Lucullus.**

**Copenhagen Market.**

opinion the heaviest yielding and best quality Cabbage that can be grown. A tremendous yielder of smooth, round, even sized heads, valuable for either extra early or main crop use. The plant is short-stemmed and compact, leaves medium light green, thick and smooth, heads averaging about 10 pounds. Our strain is absolutely the best obtainable. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; 1 lb., \$3.00.

EARLY JERSEY WAKEFIELD. The most widely grown and popular extra early variety. The conical heads are solid and the small outer leaves permit of close planting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; 1 lb., \$2.15.

HENDERSON'S EARLY SUMMER. Averaging double the size of Jersey Wakefield, this variety is but ten days later. The heads are somewhat flattened, compact and solid. Is one of the best large, second early sorts. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.65; 1 lb., \$3.00.

GOLDEN ACRE. Earliest of All. Of the Copenhagen Market type but ten days earlier, this is the earliest round-headed Cabbage. The plants are dwarf and compact; the medium sized heads are round as balls, solid, very uniform and sweet. If you want the earliest Cabbage and the top prices that go with it, plant Golden Acre. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.15; 1 lb., \$4.00.

WILL'S EARLY JUNE. This is the earliest flat-headed Cabbage in cultivation. The head is solid and shapely, and forms early, making fair sized heads in from 60 to 70 days from seed. The plant is vigorous, drought re-

**Will's Early June.**

Kraut
(German)

Hoved Kaal
(Scandinavian)

Cabbage

CULTURE: For very early use sow the seed in hotbed or in boxes in the house. The best and hardiest plants may be produced by sowing seed in cold frames outside after danger of hard freezing is past. Transplant in garden or field when weather will permit, 20 to 30 inches apart for the small, early varieties, and from $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart for the large, late sorts. Some recommend planting the seeds in the field, 3 or 4 seeds in a hill, and leaving the strongest plant. One ounce of seed will produce about 4000 plants. About 1000 seeds in a packet.

For early use we recommend especially Golden Acre and Copenhagen Market; for late use, Danish Ballhead.

Early Varieties

COPENHAGEN MARKET. This is in our

**Golden Acre.**

sistant, and not subject to diseases, which makes it especially desirable for all parts of the Northwest. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.90; 1 lb., \$3.75.

Last year I planted two acres of your Danish Ballhead Cabbage, which headed practically 100%, all true to type and as perfect a cabbage as any one could hope to raise.

R. A. PARKER,
Fort Shaw, Mont.

**FOR CABBAGE PLANTS,
SEE PAGE 58.**

**Early Jersey Wakefield.**

Early Cabbage - Continued

EARLY WINNIGSTADT. An old favorite; its hardiness permits early planting. It is the hardest heading of any of the early Cabbages and is the surest cropper under adverse conditions. The heads are broad, pointed, and suffer less from the cabbage worm than most other sorts. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$2.00.

GLORY OF ENKHUIZEN. Next to the Copenhagen Market, this is perhaps the most universally popular Cabbage with both growers and users. It is later than the former, being intermediate between it and the Premium Flat Dutch. Plant is short-stemmed, heads large, round and very solid, with very few outer leaves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$2.00.



Danish Ballhead.



Will's Selected Premium Flat Dutch.

WILL'S SELECTED PREMIUM FLAT DUTCH. The largest of the standard late varieties, low growing and a sure header. The flattened heads are bluish green, compact, of handsome appearance, and fine quality. Deservedly this is the most popular of the late flat-heading sorts. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.85.

PERFECTION DRUMHEAD SAVOY. The Savoy is of better quality than ordinary Cabbage and should be more generally grown. This is the best Winter keeper of the Savoy with round, compact and solid dark green heads with coarsely crimped leaves. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.10.



Chihli, Chinese Cabbage.

Chinese Cabbage

CHIH LI—SUREHEAD STRAIN. This is the earliest, the surest header, and withstands heat better than any other strain of Chinese Cabbage. The cylindrical heads are from 20 inches to 2 feet in length, solid and white. Best results are obtained in this section by planting about June 20th. Well grown heads will weigh from 2 $\frac{1}{2}$ to 6 pounds. This vegetable is rapidly increasing in popularity. It is an excellent salad plant, and fine when boiled as you would Cabbage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.90; 1 lb., \$3.75, postpaid.

Late Varieties

DANISH BALLHEAD (Short Stem or Hollander).

This variety is one of our specialties. It is one of the hardiest and the heads weigh more for their size than any other sort we have ever tried. The round, pale blue-green heads will average from 8 to 10 inches in diameter, crisp, tender and sweet, unexcelled for slaw and sauerkraut. While drought resistant, it will not rot in wet seasons. A great keeper and to our minds the best late Cabbage. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.80.

RED DRUMHEAD. The largest and best red Cabbage. A sure header, the heads are round, solid, and deep red in color to the center. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.



Perfection Drumhead Savoy.

Beat the Bugs

Prepare for Cabbage Worms by purchasing Garden Guard with your seed. See Page 77. Dust as soon as you see white moths hovering over Cabbage.

I have used your seed for a good number of years and find them excellent. The Golden Acre Cabbage and Danish Ballhead are just great for this northern country.

MRS. TILDA LORENTZUE,
Hallock, Minn.



Coreless Carrot

great yielder and a first class carrot for all soils. The roots are smooth, from 6 to 8 inches long, tapering to a blunt point, a deep orange in color, with close texture flesh and little core. Although the roots are comparatively short, they yield as heavily as the large sorts. Pkt., 5c; oz., 12c; ¼ lb., 40c;

½ lb., 65c; 1 lb., \$1.20, postpaid. Not prepaid, 5 lbs., \$5.25.

IMPROVED LONG ORANGE.

An old standard sort, unusually desirable for either field or garden use. A medium early variety and a tremendous yielder, the roots penetrate deeply enough so that the plant will get moisture even in very dry weather, an important feature in the Northwest. The roots run about 12 inches long and 3 inches in diameter, flesh bright orange, smooth, sweet and fine-grained. A very good keeper. Pkt., 5c; oz., 12c; ¼ lb., 39c; ½ lb., 62c; 1 lb., \$1.15, postpaid. Not prepaid, 5 lbs., \$5.00.

CHANTENAY or MODEL. This is an excellent medium early half-long, stump rooted variety. The roots are smooth and are from 5 to 6 inches long, with rich orange-red flesh of the finest quality. It is a great favorite with the market gardeners. Pkt., 5c; oz., 12c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.20, postpaid. Not prepaid, 5 lbs., \$5.25.

MASTODON or GIANT WHITE. The stock carrot is one of our best feed crops. It is a remarkably efficient feed for all domestic animals, but especially good for horses. This is the best of the white varieties and the heaviest cropper. The roots are about 8 inches long and 3 inches through at the shoulder. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c, postpaid. Not prepaid, 5 lbs., \$2.90.

Carotten
(Ger.)

Will's Best Carrots

Gulerod
(Scan.)

CULTURE. Carrots to grow to perfection require a deeply cultivated, rich and well pulverized soil. Sow early in the Spring as soon as the soil is fit to work, in drills 15 to 18 inches apart, cover one inch deep and press the soil firmly over the seed. If desired to cultivate with horse, make rows three feet apart. About 3,000 seeds in a packet.

CORELESS. The most strikingly handsome early carrot we know. The deep orange roots are exceptionally smooth, cylindrical, 6 inches long by 1½ inches in diameter, and free from woody heart or core. This is worth a trial. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.90, postpaid.

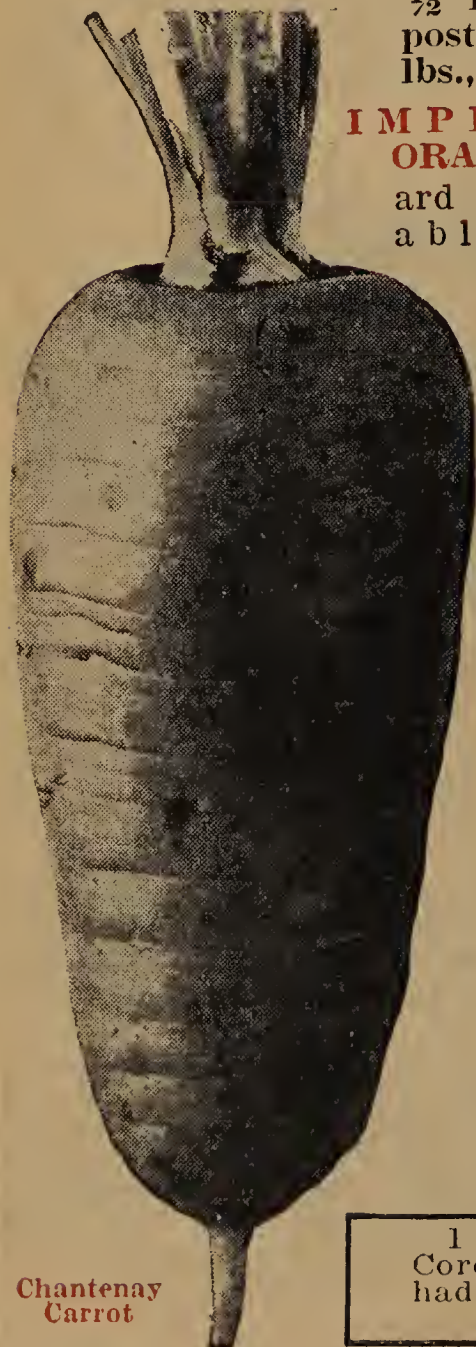
EARLY HORN. This very early stump rooted variety is fine grained and of agreeable flavor. It is a favorite for early Spring planting and table use. Pkt., 5c; oz., 14c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.35, postpaid.

FRENCH FORCING. The earliest variety, used largely for forcing. The tops are small and the roots almost round and about 2½ inches in diameter, orange-red in color. Pkt., 5c; oz., 14c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.35, postpaid.

DANVERS HALF LONG. The best known second early half long sort, a



Danvers Half Long Carrot



Chantenay Carrot

I want to tell you about the Carrots I got from you last year. They are the Coreless and they certainly are lovely and keep over the winter well. I sure had good luck with your seed. I thank you.

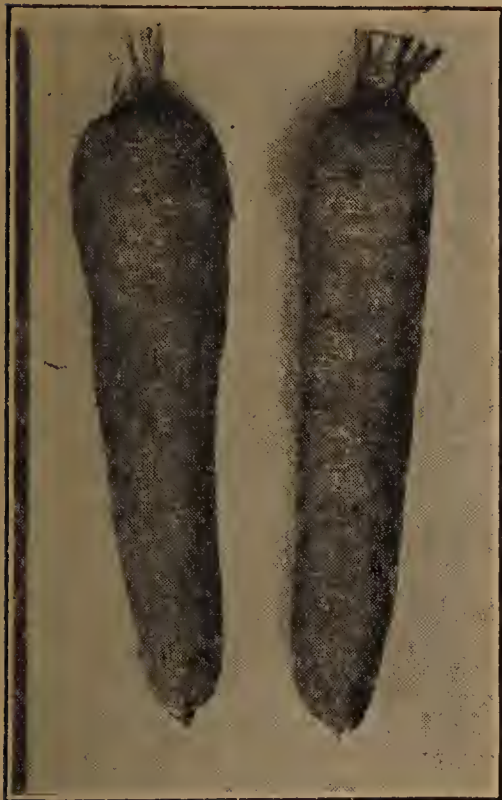
MRS. JERRY PAUKERT, Box 132, Lawton, N. D.

CARROTS—Continued.

OXHEART or GUERANDE. One of the most valuable and popular varieties.

When fully grown the type is about 5½ inches long, 3½ inches thick at the shoulder and about 2 inches thick at the bottom. With bright orange flesh, fine grained and sweet, it is of fine quality for table use and equally good for stock. It is very easily dug or pulled and is probably our heaviest yielding carrot. Pkt., 5c; oz., 12c; ¼ lb., 38c; ½ lb., 60c; 1 lb., \$1.15, postpaid. Not prepaid, 5 lbs., \$5.00.

PRIDE OF DENMARK. A very productive and high quality carrot. The nearly coreless, deep orange roots are from 8 to 9 inches long, and nearly the same size throughout their entire length. The flesh is tender and of the finest quality. In our nursery plantings this variety has yielded the most even and best flavored carrots we have grown. In raising the seed of this Danish strain, every root is dug, inspected for trueness to type, and either rejected, or transplanted to produce the seed crop. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.90, postpaid.



Pride of Denmark Carrots.



Oxheart Carrots.



Danish Perfection.

Blumenkohl
(Ger.)

Cauliflower

Blomkaal
(Scan.)

One of the Most Profitable Crops for Market and Small Gardeners

Culture. Cauliflower culture is practically the same as that of cabbage. One ounce of seed will produce about 4,000 plants. Seed is started in cold frame and plants set in field during May or early in June. In spite of the general belief, cauliflower is nearly as easy to raise as cabbage. Our pedigreed Danish cauliflower seed is the best you can buy anywhere. About 240 seeds to a packet.

HALF OUNCES AT OUNCE RATE

DANISH PERFECTION. This is not quite as early as our extra early strain of Snowball, maturing a week or ten days later. This sort develops heavier foliage than the Snowball, making better protection for the heads. The heads are very firm, solid, and snow white. This is a sure header. Pkt., 10c; oz., \$1.75; ¼ lb., \$6.30.

LARGE EARLY ERFURT. One of the leading varieties for market and private use. For reliability of heading, size and solidity of head, it has no superior. The plants are dwarf, and while the outer leaves are erect, the inner ones lap over the heads, fully shading them from the sun and preserving them a beautiful snowy white. Pkt., 10c; oz., \$1.60; ¼ lb., \$6.00.

SNOWBALL. The most productive early variety that can be grown and very popular with

those who grow for the market. This is the earliest Cauliflower we list and has given us exceptional results in our own plantings. The uniform, medium sized heads are pure white and of the finest quality. Pkt., 10c; oz., \$2.00; ¼ lb., \$7.50.

DRY WEATHER or DANISH GIANT. This variety is two weeks later than our strain of Snowball, of heavier growth, with larger heads. It will stand more hot, dry weather than any other sort of its season. Pkt., 10c; oz., \$2.00; ¼ lb., \$7.00.

For Cauliflower Plants, See Page 58.

We are very pleased with results last year from the Golden Gem Corn and Pride of Denmark Carrots. We surprised our neighbors and ourselves with their earliness and quality. We have been eating the Pride of Denmark Carrots this past winter like Apples.

J. S. STANFORD, 445 N. 7th E., Logan, Utah.



Snowball.

Mais
(Ger.)

Our Specialty

Sweet Corn

Our Specialty

Mais
(Scan.)



Golden Gem

Culture. Plant in drills about three feet apart, one kernel every six inches, or in hills $2\frac{1}{2}$ feet apart in the row, and the rows 3 to $3\frac{1}{2}$ feet apart, dropping four or five kernels in a hill. Sweet Corn of any sort should not be planted until the ground has become warm, as cold, wet ground is sure to rot the seed before it can germinate. One-fourth pound to 100 hills; 10 pounds per acre. One pound of Sweet Corn is a little more than a pint.

WILL'S SWEET CORN COLLECTION

This collection is designed to give Corn lovers the longest possible succession of roasting ears by furnishing a planting of each variety from the very earliest sorts to the latest which we can use profitably in our climate.

Two ounces of each of the following varieties:

PICKANINNY
GOLDEN GEM
NUETTA
SUNSHINE

IMPROVED EARLY DAKOTA
GOLDEN BANTAM
BANANA CREAM
STOWELL'S EVERGREEN

The Price of the Collection,
Postpaid **45c**

Varieties Listed in Order of Earliness

EARLY PICKANINNY. An introduction from the Canadian Experiment Station, and we believe it to be the earliest Sweet Corn in existence; a week earlier than our Early June, though the ears are smaller and the color—black—not so desirable for market. A wonderful home garden sort. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 23c; lb., 35c, postpaid. Not prepaid: 5 lbs., \$1.00; 10 lbs., \$1.85.

GOLDEN GEM SWEET CORN. A very early golden Sweet Corn developed by Professor A. F. Yeager of North Dakota from a cross of Sunshine with Pickaninny. It is two weeks earlier than Golden Bantam, about four days earlier than Banting and a much heavier yielder in our fields. It is the earliest yellow Sweet Corn of Golden Bantam quality, with eight rows, that puts it in the marketing class with Golden Bantam. This variety should be in every home garden and is a money getter for the market gardener. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 23c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.75; 50 lbs., \$7.75; 100 lbs., \$15.00.

WILL'S EARLY JUNE (Registered U. S. Patent Office). The Earliest White Sweet Corn. A very dwarf and amazingly early variety bred by us for a short season, and a true and delicious Sweet Corn. The white, eight-rowed ears are from $4\frac{1}{2}$ to 6 inches long. Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 20c; lb., 30c, postpaid. Not prepaid: 5 lbs., 70c; 10 lbs., \$1.35; 50 lbs., \$5.75; 100 lbs., \$11.00.

NUETTA. The hardiest Sweet Corn. A North Dakota native product, for we obtained our original seed from a Mandan Indian twenty years ago. The dried seed is red, but when fit for eating the eight and ten rowed ears are a rich golden yellow. Yielding well under harsh, dry conditions, meeting the stiff requirements of the mountain country, and giving excellent results in the moist climate of the Pacific Coast, Nuetta is the most productive variety we have. Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c, postpaid. Not prepaid: 5 lbs., 75c; 10 lbs., \$1.35; 50 lbs., \$5.75; 100 lbs., \$11.00.

SUNSHINE. A golden cross developed by Professor A. F. Yeager of the North Dakota Experiment Station, with twelve-rowed ears, seven to eight inches long. In our plantings, ten days earlier than the earliest strain of Golden Bantam and much larger, this is the closest to the Bantam in quality of any of the golden crosses. A great Corn for the home garden and one the market gardener needs. Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 22c; lb., 32c, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.55; 50 lbs., \$6.75; 100 lbs., \$13.00.



Will's Early June



Sunshine

I've used your garden seeds for twenty years and find them quite superior. Had wonderful Golden Gem Corn and ripe Tomatoes in spite of drought and hoppers. I believe all my neighbors are now sending for your garden seeds.

MRS. A. H. WENKER, Columbus, N. Dak.

SWEET CORN

IMPROVED EARLY DAKOTA. This northern grown selection of Mammoth White Cory comes in after Sunshine. Combining size with earliness, it is the largest of the extra early sorts and one of the best. The white ears are 10- to 12-rowed, 7 to 8 inches long, borne two to a stalk. Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 21c; lb., 31c, postpaid. Not prepaid, 5 lbs., 80c; 10 lbs., \$1.40; 50 lbs., \$6.00; 100 lbs., \$11.50.

GOLDEN BANTAM. The finest Sweet Corn in cultivation and most popular. It is the sweetest and tenderest, a heavy producer, and the ears remain edible for a long time. Our Burleigh and Morton County grown seed is as good as the best. Pkt., 5c; $\frac{1}{4}$ lb., 11c; $\frac{1}{2}$ lb., 19c; lb., 28c, postpaid. Not prepaid, 5 lbs., 70c; 10 lbs., \$1.35; 50 lbs., \$5.75; 100 lbs., \$11.00.

PURDUE GOLDEN BANTAM. A second generation cross between two inbreds—both developed at the University of Purdue in conjunction with the U. S. Department of Agriculture. Somewhat later than our own strain of Golden Bantam but with true Bantam quality and a heavy yielder of very uniform ears usually with 16 rows of kernels. Pkt., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.80.

WILL'S BANANA CREAM. This medium late variety follows Golden Bantam and was first introduced by us in 1897. It is an unusually delicious table Corn with large well filled ears, which remain fit for table use longer than those of any other variety we have ever tasted. Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 20c; lb., 30c, postpaid. Not prepaid, 5 lbs., 75c; 10 lbs., \$1.35; 50 lbs., \$5.75; 100 lbs., \$11.00.

STOWELL'S EVERGREEN. This old reliable, late, tall growing sort is perhaps the great standard main crop. The ears are large, usually 16-rowed, with very sweet, deep white kernels. Besides its table uses the rank fodder that characterizes this variety makes it extremely valuable for the dairy herd.

Pkt., 5c; $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 22c; lb., 34c, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.60; 50 lbs., \$7.35; 100 lbs., \$14.25.

I never tasted as good Sweet Corn as I raised from your seed. Last year we were hilled out and had to buy our corn; it was not good after raising from your seed.
Mrs. J. L. Willard,
Dillon, Mont.

Stowell's Evergreen

Golden Bantam

All of our Sweet Corn is grown within five miles of Bismarck except Stowell's Evergreen which we have grown for us as far north as it will consistently make seed. Northern grown Sweet Corn Seed is the best there is.

Gurken
(Ger.)

Will's Cucumbers

Agürk
(Scan.)

CULTURE. As soon as the weather becomes warm and settled in the Spring, plant in well-prepared soil in hills four or five feet apart each way with eight or ten seeds in a hill; cover one-half inch deep with soil well firmed to prevent too rapid evaporation. When plants are well developed weed out all but four or five of the strongest. Thorough but shallow cultivation is essential. One ounce of seed will plant about eighty hills. About 200 seeds to the packet.

EXTRA EARLY SIBERIAN. (See inside front cover for illustration.) Two weeks earlier than any other cucumber we have ever tried, our original seed was obtained from Dr. Buza of Poland. Besides earliness, this sort is outstanding for hardiness, is very prolific, and remains fit for eating longer than most sorts. The fruits run about 5½ inches long and 2½ inches through. Pkt., 15c; 2 pkts., 25c; oz., 55c, postpaid.

EARLIEST OF ALL. This is the earliest standard Cucumber of quality in cultivation. It is of fair size and is of special value to those who desire to be first on the market. It is also a very fine home garden sort. Pkt., 5c; oz., 11c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c, postpaid.

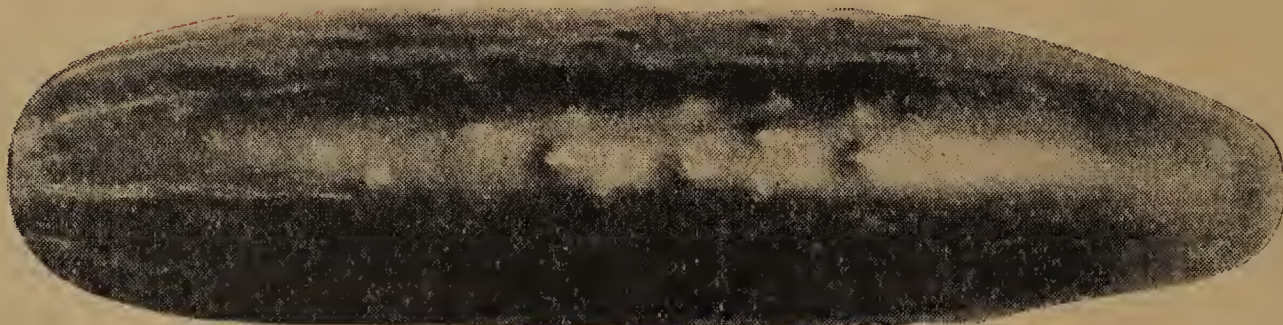


Earliest of All.

ARLINGTON WHITE SPINE. One of the earliest and most productive of the famous White Spine group. Fruit about 7 inches long, rounded at both ends, and of bright, deep green color. Very popular as a market variety on account of its good keeping qualities and its uniformity of size and shape. Pkt., 5c; oz., 11c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c, postpaid.



Arlington White Spine Cucumber.



Improved Long Green Cucumber.

IMPROVED LONG GREEN. This old favorite variety is unequalled among the later sorts. The rich dark green fruits average 12 inches long with crisp white flesh. The standard of table quality and unexcelled for pickles when small. Our stock is superior. Pkt., 5c; oz., 13c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10, postpaid.

EARLY CLUSTER. A pickling type often setting fruit in clusters of 2 or 3. Pkt., 5c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10.

WHITE WONDER. A splendid white variety. One of the handsomest cucumbers. The cucumbers are ivory white in color, of good keeping quality and average about eight inches in length and two and one-half inches through. Pkt., 5c; oz., 13c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10, postpaid.

DAVIS PERFECT. A grand variety. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Pkt., 5c; oz., 13c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10, postpaid.

LONGFELLOW or CHINA LONG. This new variety from China is of finer quality than any other Cucumber we have ever tried. The early ripening fruits commonly reach 20 inches in length and average but 2 inches in diameter. The skin is dark rich green and smooth. The flesh is firm, white, crisp, and unexcelled for slicing. About 90 seeds to the packet. Pkt., 10c; oz., 40c; ¼ lb., \$1.35, postpaid.



20½ INCHES OF LONGFELLOW CUCUMBER.

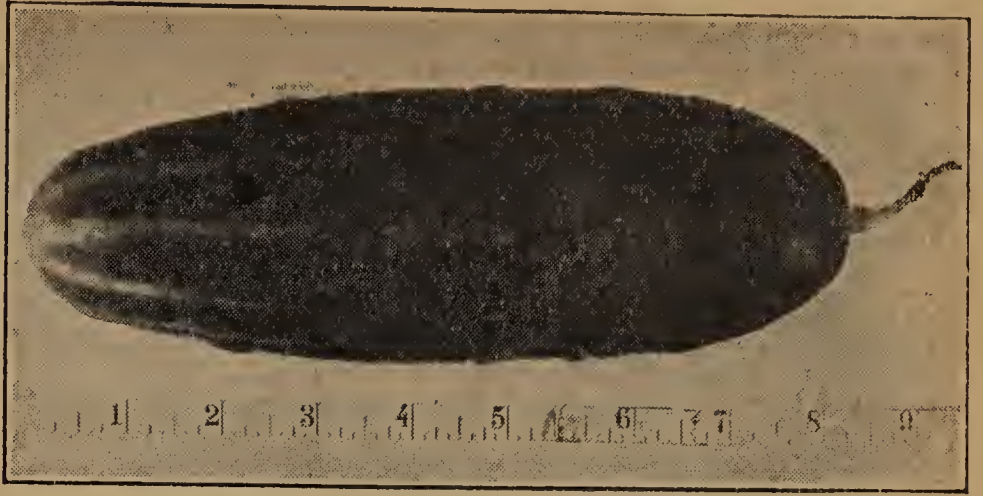
TO THE GROWER of the longest cucumber of our Longfellow variety during the Summer of 1934 we will pay ten dollars; to the grower of the second longest, \$5.00; for third place, \$3.00; and to fourth, fifth, and sixth place, one dollar in trade. Cucumbers may be sent to our store or we will accept affidavits. Measurement is to be along axis of cucumber. The contest closes October 1, 1934, and but

one prize will be awarded to an individual. The winner of the 1933 contest is D. C. Logan, Yakima, Wash., with a cucumber 42 inches long. Others winning prizes are: Mrs. Frank Efta, St. Phillip, Mont.; Mrs. H. U. Atkinson, Forbes, N. D.; Mrs. H. A. McFadden, Flatwillow, Mont.; Lois Hinds, Strool, S. D.; Henry Geiser, Bluffton, Minn.; and Mrs. P. P. Maney, Grygla, Minn.

Will's Cucumbers

EARLY FORTUNE. Each year serves to demonstrate further the superiority of this superb variety. Extra early, of perfect quality for eating and shipping, uniform and well shaped for small pickles, with strong, healthy foliage and a vigorous growth which proves its strong resistance to all diseases. Does not wilt quickly, nor ripen up too fast, and is a tremendous yielder. In trials with all other American varieties it has stood out as supreme. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 33c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00, postpaid.

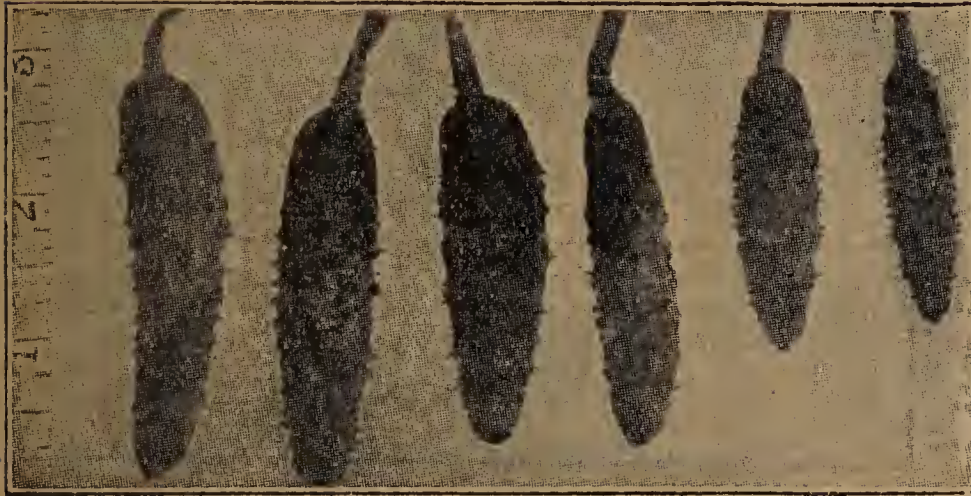
JAPANESE CLIMBING. A producer of long, well shaped fruits; especially adapted to growing on a trellis because of its strong vines and tendrils. This method insures better shaped fruits, reduces disease, and is particularly necessary in moist climates where well shaped fruits cannot otherwise be grown. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.10, postpaid.



Early Fortune.

WEST INDIA GHERKIN. An old and very popular pickling variety. Remarkable for its small, short fruits which are produced in wonderful abundance. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

CHICAGO PICKLING. The old reliable variety for making small pickles; very profitable variety for those who sell to canners as it is used almost exclusively by the largest factories. Pkt., 5c; oz., 11c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c, postpaid.



Early Fortune (Pickling Size).



Chicago Pickling Cucumbers.

Pop Corn

About 200 seeds
to the packet.

JAPANESE HULLESS. Of wonderful popping quality, this variety sells at a premium over other sorts and is the only kind to plant if you raise pop corn to sell. The ordinary strains are too late for this section, but our own early strain has ripened here for the past eight years. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 19c; 1 lb., 25c, postpaid. Not prepaid, 5 lbs., 65c; 10 lbs., \$1.20; 50 lbs., \$4.50

GOLDEN TOM THUMB. This is the very earliest variety of pop corn grown, and so is exceptionally valuable in the Northwest. Not a heavy yielder and the ears are small, but quality is excellent and it never fails. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 22c; 1 lb., 32c, postpaid. Not prepaid, 5 lbs., 80c; 10 lbs., \$1.50.

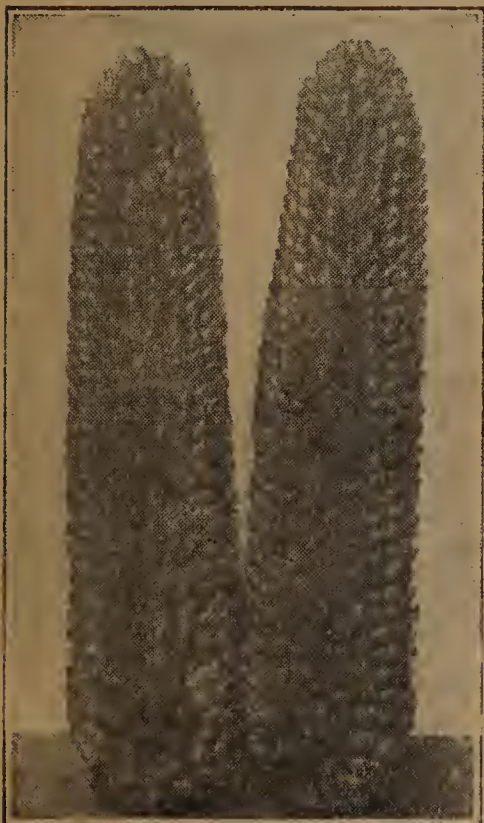
IRIQUOIS. This variety is of the White Rice type, obtained from the Iriquois Indians of New York some years ago. It is a very good yielder, and so much earlier than the ordinary White Rice that we have quit growing the White Rice. Pkt., 5c; $\frac{1}{4}$ lb., 13c; $\frac{1}{2}$ lb., 19c; 1 lb., 25c, postpaid. Not prepaid, 5 lbs., 60c; 10 lbs., \$1.10; 50 lbs., \$4.30.

TNT. The yellow kernels pop to enormous size and when popped are a rich creamy shade. It is fast becoming a favorite with the pop corn merchants. It is a heavy yielder, and though later than the other varieties we list, it is worthy of trial. We offer seed of our own growing. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00.

BLACK BEAUTY. One of the earliest varieties, it is generally conceded that this sort makes more tender and better quality pop corn than other kinds. The ears are about six inches long, black or nearly so. They pop pure white. This is not generally regarded as a commercial variety but is perhaps the best for the home garden. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 22c; 1 lb., 32c, postpaid. Not prepaid, 5 lbs., 80c; 10 lbs., \$1.50.



Japanese Hulless.



Iriquois Pop Corn.

POP CORN FOR POPPING

Not prepaid, 1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$6.00.

Pioneer Brand Lettuce

Culture. For very early use the seed may be sown in hotbed, and as soon as the warm weather permits, may be sown in the open ground, in rows 18 inches apart and not over one-half inch deep. If planted too deep the seed will not germinate. Sow every two or three weeks for a succession.

One ounce for 200 feet of drill. About 2,000 seeds to the packet.

Kopfsalat
(German)

HEADING VARIETIES

Salat
(Scandinavian)

MIGNONETTE. The earliest heading sort we have ever tried, fit for use 6 days before May King. The heads are small and the outer leaves are medium dark brown with a dark greenish tinge. Probably the most delicate in flavor and tender in texture of the crisp varieties, this is slow to shoot to seed for so early a sort. Very reliable for Spring and Fall sowing and one of the most compact and hardest heading of all lettuces. Not a market gardener's variety, but its earliness and quality make it one of the very best sorts for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.85, postpaid.



Black Seeded Tennisball

EARLY BLACK SEEDS TENNIS-BALL—SALAMANDER. One of the most reliable, sure heading sorts. The heads are large, solid and of fine quality. The outside leaves are a clear dull green, broad and crumpled. This is one of the surest heading sorts for the Northwest. Pkt., 5c; oz., 13c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

ICEBERG. A large, crisp, cabbage-heading variety of good quality. The heads are firm and well blanched. The outer leaves are crumpled and blistered, in color a medium green with a faint brown tinge on the border. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.45, postpaid.

We have been using your garden seeds for thirty years and are very well satisfied with your seed and service.

Your satisfied customer,
MRS. CHRISTINE KORGEL,
Minot, N. D.



**Improved
Hanson**

IMPROVED HANSON. One of the most reliable, sure heading sorts. The heads are large; the leaves clear green, blistered and crumpled with frilled borders. For planting outdoors this is one of the very best sorts, as it withstands heat and drought and is a slow seeder. We recommend this variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

CRISP-AS-ICE—HARTFORD BRONZE HEAD. One of the best varieties for the home garden, an excellent buttery sureheader of delicate flavor and tender quality. The compact heads are of medium size, dark green overlaid with bronze in color. In our trials in 1926 this sort seemed to withstand the drought better than any other. Slow to go to seed. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 85c; 1 lb., \$1.60, postpaid.



May King

MAY KING. An extremely early, compact heading variety. The leaves are a light yellowish green, just tinged with brown. Inner leaves blanch a golden yellow. The quality is fine and it is perhaps the best head lettuce for this section. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

BIG BOSTON. Early, large, bright green heads, lightly tinged with brown on the outer leaves, hardy and vigorous. One of the most popular and widely grown varieties. The plants are large, hardy and vigorous. The outer leaves are broad, relatively smooth, and crisp; in color a light green tinged with brown. The heart blanches a greenish white tinged with yellow. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.20, postpaid.

PARIS WHITE COS. This is a distinct type of lettuce with a conical, rather tight head, dark green in color with smooth, thick leaves. Blanches to a beautiful white inside, when it becomes exceedingly crisp and sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.



Crisp-As-Ice



New York Lettuce.

More Head Lettuce

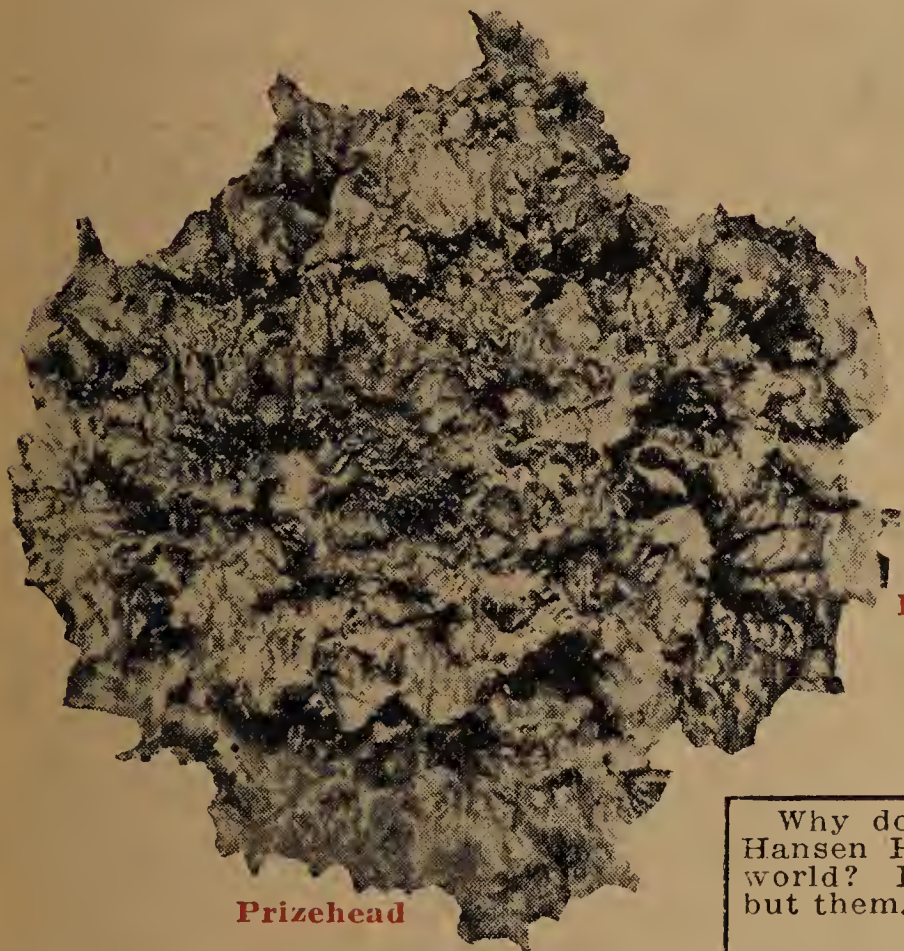
NEW YORK or WONDERFUL. A large variety of fine quality, more largely planted by commercial growers of head lettuce than any other sort. The heads are very solid, of finest quality, with outer leaves a rich dark green. It withstands heat and is one of the best heading sorts for the home garden. This variety is known in some localities as Los Angeles. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., 95c; 1 lb., \$1.75, postpaid.



Early Curled Simpson

CURLED or LOOSE HEAD VARIETIES

EARLY CURLED SIMPSON—WHITE SEED-ED. An old favorite and probably our best loose heading lettuce for outdoor planting. The plants are medium large, quick growing and hardy, very early and not running to seed as quickly as many of the early sorts. The leaves are light green, much crumpled, very crisp and tender. Pkt., 5c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.05, postpaid.



Prizehead

GRAND RAPIDS FORCING. The favorite loose leaved forcing lettuce, and fine for early planting outside in this section. The leaves are light green, blistered and crumpled, with heavily fringed borders. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.20, postpaid.

BLACK SEED-ED SIMPSON. One of the most popular leaf lettuces it is an early, quick growing, large, crisp sort, light yellowish green in color, and of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

PRIZEHEAD. This old favorite is undoubtedly the most easily grown variety in cultivation and excellent for the home garden. It is early, compact in growth, and stands heat. Leaves are much crumpled and frilled, bright green, tinged with brownish red, crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

Why don't you try and tell your customers that Improved Hansen Head Lettuce and Saxa Radishes are the best in the world? I have tried them all and have discarded everything but them.

BERNARD M. BAKER, Surrey, N. Dak.

HERBS:

ANISE. Used in garnishing and flavoring. Seeds are aromatic. Pkt., 5c; oz., 15c.

CARAWAY. Grown for seeds which are used in flavoring. Pkt., 5c; oz., 15c.

CATNIP. Leaves used for seasoning. Plant this and make your cat happy. Pkt., 10c.

DILL. The stalks and seeds are used for pickling cucumbers. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

HOREHOUND. Used for seasoning and as a cough remedy. Pkt., 5c.

LAVENDER. Its flowers are used in perfumery. Pkt., 10c.

MUSTARD (Large White Seeded). Seed used in flavoring pickles. Pkt., 5c; oz., 10c.

ROSEMARY. Aromatic leaves used for seasoning. Pkt., 10c.

SAFFRON. Used in coloring certain dishes and also for flavoring. Pkt., 10c.

SAGE. The most extensively used herb for seasoning and stuffing. Pkt., 10c; oz., 40c.

SUMMER SAVORY. Leaves and flowers flavor soups and dressings. Pkt., 5c; oz., 20c.

SWEET MARJORAM. Leaves and ends of shoots used for seasoning, both green and dried. Pkt., 5c; oz., 20c.

THYME. A tea made of leaves is a remedy for headache. Pkt., 10c.

WORMWOOD. Beneficial for poultry; should be planted in poultry yards. Pkt., 10c.



Dill

Pfeffer (German).

Peppers

Spansk Peber (Scandinavian)

Culture. Sow the seed (which is slow to germinate) in hotbed or boxes in the house. When large enough transplant into other boxes and pots, and when all danger of frost is past, transplant in the open ground in rows 2½ feet apart, setting the plants about 18 inches apart in the row. About 200 seeds to the packet.



Harris' Earliest.

HUNGARIAN THICK MEAT. This large, mild but tangy Sweet Pepper has the thickest meat of any pepper we have seen. The fruits are 5½ inches long by 3½ inches through, lighty waxy yellow when young and turning to a bright red when ripe. This new sort is very early and prolific. Pkt., 15c; 2 pkts., 25c.

HARRIS' EARLY GIANT. This is the first very large sweet pepper that will produce good crops in the northern part of this country. The plants are vigorous and the fruits average 5 inches long by 3½ inches through, dark green turning to brilliant red. This is a very worth while introduction. Pkt., 10c; ½ oz., 28c; oz., 45c.

HARRIS' EARLIEST. The Earliest Pepper. Earlier and more productive than Neapolitan; the plants are dwarf and compact with fruits averaging 3½ inches long by 2½ inches through. The flesh is thick and mild. The only sure variety in unfavorable seasons. Pkt., 10c; ½ oz., 30c; oz., 50c.

TOMATO-SQUASH or SUNNYBROOK. The fruits are Tomato shaped, about 2 inches in diameter, with very thick and extremely mild flesh. The deep green fruits ripen to a bright red. This variety is medium early and excellent for stuffing and salads. Can be used in every way as a Pimiento Pepper. Pkt., 10c; oz., 50c.

RUBY KING. One of the most dependable and satisfactory varieties for both home and market gardens. Pkt., 10c; oz., 30c.

RED CAYENNE. Long, red, strong and pungent. Pkt., 10c; oz., 35c.



Harris' Early Giant.

For Hardy Pepper Plants, See Page 58

Culture. Sow the seed (which is slow to germinate) in shallow boxes in the house early in the spring. One-eighth inch of soil to cover is sufficient. Transplant to open ground in June or July. Set plants in rows 3 feet apart and 5 inches apart in the rows, in ground thoroughly enriched and cultivated. Until middle of August plants need nothing but water and cultivation. Celery should receive enough water at all times to prevent its growth being checked. Earthing up may then begin and continue as long as the plants grow. At approach of severe freezing weather plants should be dug and may be stored in a dark, cool cellar, standing upright with the roots in a little moist sand. About 7,000 seeds to the packet.



Golden Self-Blanching Celery.

Sellerie (German)

Celery

Selleri (Scandinavian)

GOLDEN PLUME or WONDERFUL. This selection from Golden Self-Blanching has the crispness and nuttiness of that variety, but is earlier, larger and of ranker growth, and blanches more quickly. It is apparently most resistant to rust and disease and withstands heat better. Not a Winter keeper. It is a beautiful gold in color, brittle and of highest table quality. Pkt., 10c; oz., 40c; ¼ lb., \$1.25, postpaid.

GOLDEN SELF-BLANCHING. Ours is a superior, dependable strain of this standard celery for early use. It is not quite as early as White Plume, but the plants are heavier and of more compact growth. Self-blanching, the color is a rich golden yellow; nearly stringless; the stalks are thick, crisp and brittle; while for flavor this sort is unsurpassed. Pkt., 10c; oz., 35c; ¼ lb., \$1.05; ½ lb., \$2.00; 1 lb., \$3.75, postpaid.

WHITE PLUME. One of the earliest varieties and most easily blanched. A rapid grower, it is not a very good keeper, but one of the best sorts for fall and early winter. Pkt., 5c; oz., 25c; ¼ lb., 75c, postpaid.

WINTER QUEEN. A very solid and crisp variety with double the amount of heart of any known celery. One of the very best keeping varieties. Pkt., 5c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid.

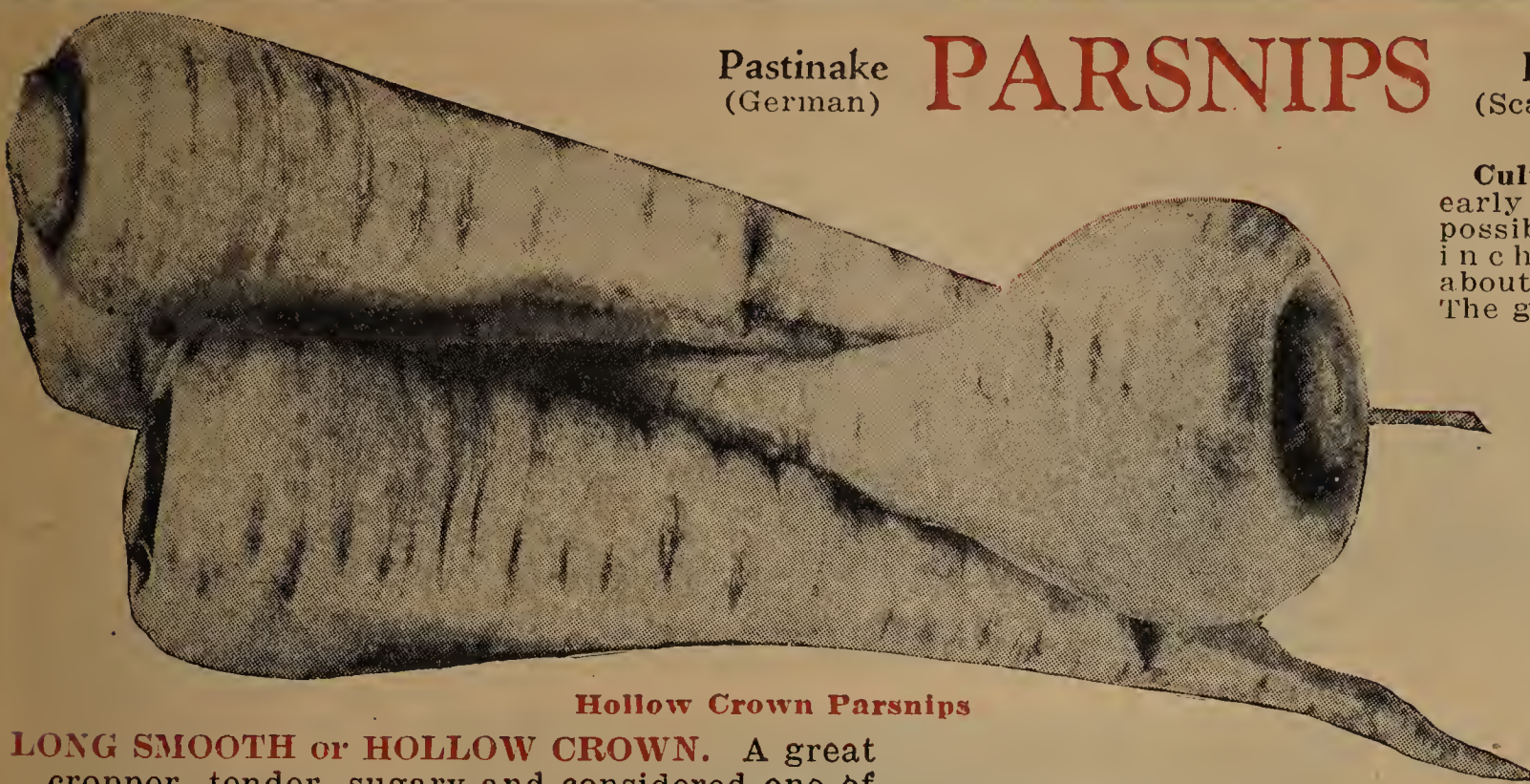
GIANT PASCAL. A compact, vigorous sort, a good keeper and one of the best varieties for Fall and Winter. Pkt., 5c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid.

CELERIAC OR TURNIP-ROOTED CELERY—GIANT PRAGUE. This is a celery of which only the root is used. Should be planted like other celery, but need not be banked. An excellent vegetable for use in soups, stews and sauces, as it imparts a delicious flavor. Is good boiled separately. Pkt., 5c; oz., 20c; ¼ lb., 70c, postpaid.



Celериac or Turnip-Rooted Celery.

For Celery Plants, See Page 58.

Pastinake
(German)

PARSNIPS

Pastinak
(Scandinavian)

Culture. Sow as early in the Spring as possible, in rows 18 inches apart and about 1 inch deep. The ground should be deeply plowed and well cultivated. Thin to two inches as soon as the plants are large enough to handle. A freeze improves the quality. About 1200 seeds to the packet. One ounce for 200 feet of drill; 4 to 5 pounds per acre.

Hollow Crown Parsnips

LONG SMOOTH or HOLLOW CROWN. A great cropper, tender, sugary and considered one of the best for general cultivation. Roots average 15 inches long by 3 inches in diameter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 26c; $\frac{1}{2}$ lb., 45c; lb., 80c, postpaid.

IMPROVED GUERNSEY. This is the thicker, heavier type of Parsnip. Fine grained and sweet flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 26c; $\frac{1}{2}$ lb., 45c; lb., 80c, postpaid.

Melonen-Kürbiss
(German)

PUMPKINS For the Northwest

Graeskar
(Scandinavian)

CULTURE. Plant in hills 6 to 8 feet apart, with 5 to 6 seeds in the hill, when the ground has become warm and the weather favorable, giving same cultivation as to melons. About 40 seeds to the packet. One ounce to 30 hills; 3 to 4 pounds per acre.

CONNECTICUT FIELD or BIG TOM. A solid, oblong, orange Pumpkin more planted with corn than any other variety and a heavy yielder. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 24c; $\frac{1}{2}$ lb., 40c; lb., 70c, postpaid.

FORT BERTHOLD. Selection for some years from the squash seed obtained from the Mandan and Arikara Indians has resulted in this wonderfully early Pumpkin of unusual hardness. The fruits are small, round, flattened on the ends, and of first quality. They are either orange or cream in color with orange predominating. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c, postpaid.

SWEET SUGAR or NEW ENGLAND PIE. This is the earliest and surest of the common sorts, and by far the sweetest. Especially valuable for the making of pies. A small, round Pumpkin, dark orange in color, with thick, dry, fine grained flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 24c; $\frac{1}{2}$ lb., 40c; lb., 70c, postpaid.

GOLDEN OBLONG. A very hardy and productive sort with thick, light golden flesh of highest quality and a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00, postpaid.

KING OF MAMMOTHS. The giant among Pumpkins, weighing as high as 150 lbs. A bright golden yellow, fine grained and excellent for cooking. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.20, postpaid.

OMAHA. A very early, oblong, orange sort, but little later than the Fort Berthold and much thicker meated. This is a selection over a period of years from seed obtained through Dr. Melvin Gilmore from the Omaha Indians. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c, postpaid.



Sweet Sugar Pumpkin



Fort Berthold

I have used your seed for 32 years. Will say that Will's seeds proved wonderful even in driest years. Last year I tried your King of Mammoth Pumpkin and had them up to 133½ pounds per pumpkin. Just used sheep manure as fertilizer and watered them all summer long.

OCTAVE GIERTS, Charlson, N. D.

Melone
(Ger.)

Will's Muskmelons

Melon
(Scan.)

Culture. When the ground has become warm, plant in hills, four or five feet apart each way, 6 to 12 seeds in a hill. When danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly the whole season, but not to exceed two inches deep, keeping the surface as smooth as possible. **Only our early, hardy Melons are worth planting in the Northwest.** One ounce of seed to fifty hills; 2 to 3 pounds per acre. About 125 seeds to the packet.



Page's Early.

EARLY TYE. A very early melon of superior quality. But a few days later than Page's Early and of far better quality. The oval melons are of medium size and fairly netted. The flesh is orange, thick, and of good quality. A good hardy and prolific home garden melon for the Northwest. Pkt., 10c; oz., 20c.

HALE'S BEST. The earliest of the Rockyford type, and probably the most widely grown variety. The melons are oval, about 6 inches long by 4½ in. diameter with heavy netting. The flesh is exceptionally thick and deep salmon in color. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.15, postpaid.

EMERALD GEM. An extremely early sort. The fruit is a rich emerald-green. It is globular in shape and irregularly ribbed. The flesh is very thick, salmon colored, sweet and luscious. The vines are hardy and very prolific. One of the best Melons for home garden and local market. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 55c; lb., 90c, postpaid.

PAGE'S EARLY. The earliest of all Muskmelons. Although it is a number of years since its first introduction, Page's Early is still by far the earliest of all. It is not equal in quality to the other varieties that we list, although by careful selection during the past eight years the quality and flavor are much improved. If you haven't been able to raise Muskmelons before, try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 85c; lb., \$1.50, postpaid.

GARDEN LEMON. The fruit is smaller than the Vine Peach, which it resembles in growth, but has thinner flesh and more acid flavor. It is a novelty of value. Pkt., 5c; oz., 20c; ¼ lb., 50c, postpaid.

VINE PEACH (Vegetable Orange or Mango Melon). This prolific fruit is the size of a medium orange, and is used for sweet pickles, preserves and pies. When cooked it is used in every way as a peach. Pkt., 5c; oz., 20c; ¼ lb., 50c, postpaid.

CHIPMAN'S STRAIN LAKE CHAMPLAIN. (See inside front cover for colored illustration.) Developed by George F. Chipman, editor of the "Country Guide" of Winnipeg, Man., Canada. Slightly smaller than the originator's strain of Champlain, this is ten days earlier. Checked in the North Dakota Experiment Station's trials in 1932 as the earliest melon of good quality. Pkt., 15c.

EXTRA EARLY OSAGE. One of the earliest salmon-fleshed varieties of quality and one of the very best

sorts grown. The oval fruit is dark green, slightly ribbed and gray netted, and is from a week to ten days earlier than the old Osage. The flesh is a rich orange-salmon, very thick with small seed cavity. A grand sort for northwestern conditions; ideal for the home garden and a money maker for the market gardener. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; lb., \$1.15, postpaid.



Extra Early Osage.

EXTRA EARLY KNIGHT (Sweet Air). One of the earliest Muskmelons of quality we have had on trial. It is medium in size, oblong in shape, distinctly

ribbed and well netted. The flesh is fairly thick and very sweet, a medium green in color blending to a light pink near the center. We consider this one of the very best varieties for the Northwest, and our strain is superior. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; lb., \$1.15, postpaid.



Extra Early Knight.

Muskmelons—Continued

WILL'S EXTRA EARLY HONEY DEW. (See first page for illustration and full description.) Now we can raise Honey Dew Melons in North Dakota. We have selected this stock for earliness for the past eight years. Pkt., 15c; 2 pkts., 25c.

SUGAR ROCK or HONEY ROCK. This variety is one of the most delicious melons. It is early and very productive of medium-sized, round, heavily netted Melons with deep, very sweet, orange flesh. The quality is superb. The most profitable market variety. Don't pass up this one. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25, postpaid.



Lake Champlain



Sugar Rock or Honey Rock.

LAKE CHAMPLAIN or GOLDEN CHAMPLAIN. One of the very earliest Melons, medium sized, round, heavily netted, moderately ribbed. with thick orange colored flesh of the finest quality; a robust grower and heavy yielder. Not a shipping Melon, but a good home garden sort and a money maker for the market gardener. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.15, postpaid.

I have bought seed from you since we came here, 1909, and have had the most wonderful gardens, for every seed grows.

MRS. E. WEISNER,
Lindsay, Mont.

Petersilie
(Ger.)

Parsley

Persille
(Scan.)

CULTURE. Soak the seed a few hours in lukewarm water and sow early in Spring in drills one foot apart. Thin out the plants to about four inches. Cover the seed not more than one-half inch. Very slow to germinate, usually three weeks. About 2,000 seeds to the packet.

CHAMPION MOSS CURLED. Leaves beautifully curled, moss-like, of the richest green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c, postpaid.

TURNIP ROOTED. The roots, instead of the tops, are used for soups and flavoring meats; gives richer flavor. If cut into small pieces, is delicious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c, postpaid.



Moss Curled Parsley

NEW XXX PARSLEY. The wonderful dark green color and the exquisite fernlike appearance are remarkable. The habit of the plant is dwarf and compact. Flavor is very best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 28c, postpaid.



Rhubarb

Rhabarber
(Ger.)

Rhubarb or Pieplant

Rhabarber
(Scan.)

MONARCH. Ours is the most vigorous and productive variety known. The leaf stalks are numerous, from 15 to 30 in. long and full 2 in. wide. They are tender, fine of flavor and excellent for preserving. About 250 seeds to packet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Rhubarb Roots

STANDARD. First quality, 2 year roots which will produce a crop of edible stalks the first year if planted in good season and given a minimum of care. Postpaid, \$1.10 per doz. F. O. B. Bismarck, doz., 90c.

RUBY. The new early and delicious red fleshed variety from Canada. Produces ruby red sauce of low acidity so that little sugar is needed. Thin skin which need not be peeled, a heavy and long producer. Does not come true from seed so must be produced by division. Postpaid each, 45c; doz., \$4.50. F. O. B. Bismarck, doz., \$4.00.

McDONALD. This is another new Canadian sort. A larger, heavier sort than Ruby. Produces no seed and bears for a long season. The skin is dark red and the sauce is of a rich pink color. Stands frost and retains its quality to a remarkable degree. Our supply is limited. Postpaid each, 45c; doz., \$4.50. F. O. B. Bismarck, doz., \$4.00.

Wasser-Melone
(Ger.)

Will's Selected Watermelons

Vandmelon
(Scan.)

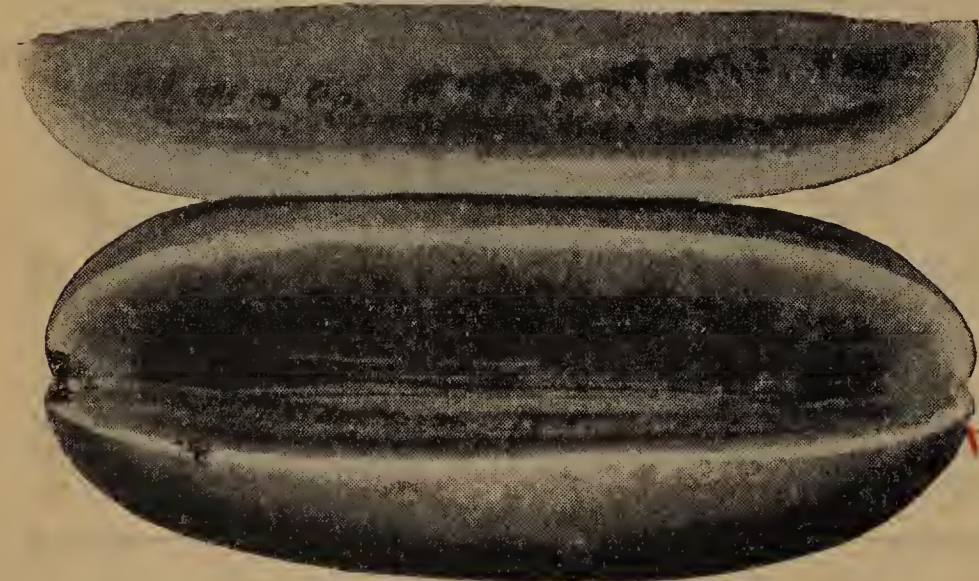
CULTURE—When the ground has become warm, plant in hills four or five feet apart each way, 6 to 12 seeds in a hill; when danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly, about two inches deep, until the vines cover the ground. One ounce of seed for 30 hills; 3 or 5 pounds per acre. About 100 seeds to the packet.



Winter Sweet

COLE'S EARLY. One of the earliest and best. It is very hardy, vigorous and a sure cropper. The nearly round Melons are of medium size, green with lighter stripes. The delicious quality of the bright red flesh is sustained clear to the thin rind. This is one of the best varieties for the north. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c, postpaid.

PEERLESS or ICE CREAM. Very early, a short oblong in shape. This is one of the best varieties for the North. The rind is thin, light green, mottled and veined with a darker shade. The flesh is bright scarlet and as sweet as honey. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c, postpaid.



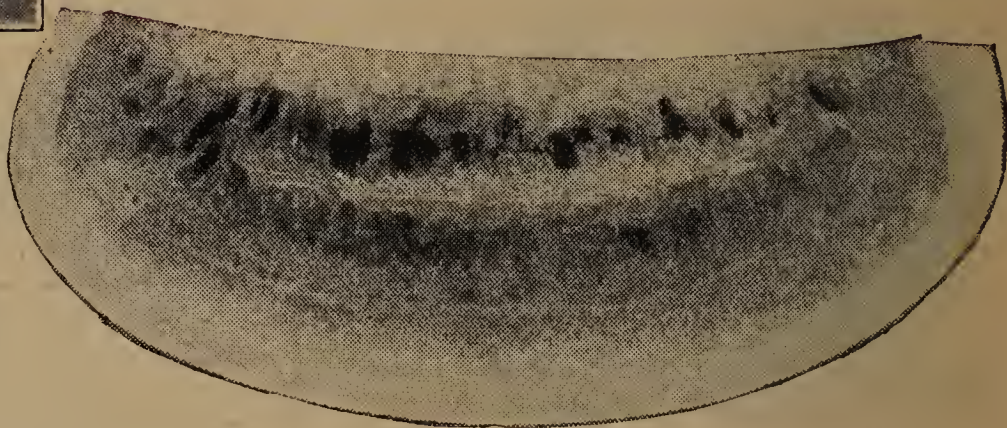
Kleckley Sweets

KLECKLEY SWEETS—MONTE CRISTO. This Melon is fairly large, oblong and tapering toward the stem end. The rind is a very dark green. The flesh is scarlet and ripens nearly to the rind. This is one of the best and sweetest Watermelons in cultivation. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c, postpaid.

WINTER QUEEN. With white rind, clear bright red flesh, and black seeds. Good at maturity with ordinary Melons. If stored in a cool, dry place will keep until Christmas. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c, postpaid.

COLORADO PRESERVING MELON. (Green-Seeded.) This is quite distinct from the old-fashioned citron, as it is larger and more productive. The flesh is firm and solid, with but few seeds and makes preserves of finest flavor. Pkt., 5c; oz., 10c; ¼ lb., 27c; ½ lb., 45c; lb., 75c, postpaid.

WINTER SWEET. If there is any better melon than this for the Northwest, we haven't seen it. Of Russian origin, its outstanding qualities caught the eye of Professor A. F. Yeager in his trial grounds. The melon is round with green skin striped with darker green and considerably larger than Will's Sugar, averaging ten to fourteen pounds. The flesh is bright red, luscious and very sweet. Early, splendid at maturity and a good keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 85c; lb., \$1.55, postpaid.



Cole's Early

PRIDE OF MUSCATINE. A wilt resistant selection from Kleckley Sweets developed at the Iowa Agricultural Station. With bright scarlet flesh and solid heart, this attractive, fairly early, oblong melon will produce good crops on wilt sick soil. Pkt., 10c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; 1 lb., \$1.55, postpaid.

ARIKARA. The Earliest Watermelon. This variety is a prolific and sure producer of small Melons, running from 6 to 12 inches in diameter. The skin is almost black. The pink flesh is sweet and pleasant though somewhat coarse. Not as good quality as Will's Sugar, but the earliest and hardest Watermelon that grows. If you have trouble raising ripe Watermelons, try this one. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

WILL'S GOLDEN ANNIVERSARY. (See first page for full description.) A cross between Arikara and Kleckley Sweet, combining the earliness and hardness of one parent with the size and quality of the other. The melon is oval to oblong. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.50, postpaid.



Citron

CITRON. (Red Seeded.) A round, handsome fruit of small size, with white, solid flesh; it is used in making sweetmeats and preserves. Ours is the old standard strain. Pkt., 5c; oz., 10c; ¼ lb., 27c; ½ lb., 45c; lb., 75c, postpaid.

Selected Watermelons

WILL'S SUGAR WATERMELON.

This pioneer variety, which we introduced in 1888, still remains the favorite of the Northwest. It is the second earliest watermelon grown, and combines with that very necessary quality, hardiness and heavy production. In sweetness it is surpassed by no melon grown, and the bright red flesh and small black seeds make a very pleasing contrast. This is the watermelon for the Northwest. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.30, postpaid.



Field View of Will's Sugar Watermelons.

We have used your seeds for years with good success. Wouldn't plant any other seed. H. P. McMillen, Hamilton, N. D.

Onion Sets

Unless otherwise instructed, we shall hold Onion Set orders till danger of freezing is past. Bottom Onion Sets are the product of seed planted closely to prevent full development.

We raise and store our own. A bushel is 32 lbs., except with top sets, which are 28 lbs. to the bushel. Prices, peck and over, subject to change.

EBENEZER or JAPANESE YELLOW ONION SETS. These yellow sets are surer to form large onions than any other sets, the quality is superior and the yield is larger. Sets of our own growing. 1 lb., 27c; 4 lbs., 85c, postpaid. Not prepaid, peck, \$1.20; $\frac{1}{2}$ bu., \$2.25; bu., \$4.25.

RED BOTTOM SETS. Fine, well cured North Dakota grown sets. 1 lb., 26c; 4 lbs., 80c, postpaid. Not prepaid, peck, \$1.15; $\frac{1}{2}$ bu., \$2.15; bu., \$4.00.



Will's Sugar Watermelons.



Bermuda Onion Plants.

WHITE BOTTOM SETS.

Milder than the red or yellow sorts and preferred by some on account of their color. Sets of our own growing. 1 lb., 27c; 4 lbs., 85c, postpaid. Not prepaid, pk., \$1.20; $\frac{1}{2}$ bu., \$2.25; bu., \$4.25.

TOP or WINTER ONION SETS. Perennial. Live in the ground all Winter and start very early in the Spring. 28 lbs. to the bushel. 1 lb., 33c, postpaid. Not prepaid, pk. (7 lbs.), \$1.40; bu., \$4.75.

MULTIPLIER ONIONS. Also called Bunch Onions or Potato Onions. Excellent for early Spring onions. 1 lb., 32c, postpaid. Not prepaid, pk., \$1.40; bu., \$5.25.



Bottom Onion Sets.

GARLIC: BAVARIAN. Lb., 36c; 5 lbs., \$1.40, postpaid.

BERMUDA ONION PLANTS

Seed is sown early in Texas and plants lifted to produce onions of Bermuda quality in northern gardens. Planted like onion sets and easy to grow. Our Texas plant grower ships bangup plants and guarantees the count. Per 100, 25c; 500, 85c; 1,000, \$1.40, postpaid. Crate of 6,000 plants, not prepaid, \$5.25.

Zwiebel
(Ger.)

Will's Pioneer Brand Onion Seed

Roedloeg
(Scan.)

Culture. Sow as early in the Spring as ground can be worked, in drills 15 inches apart, covering one inch deep. One ounce for 300 feet of drill; 4 to 5 pounds per acre. About 750 seeds to the packet.

RED WETHERSFIELD. One of the oldest and best known strains, a sure and heavy yielder. It is one of the very best keepers. The type is large, rather flat, and of a deep purplish red. The flesh is pinkish white and strong flavored. It is the favorite for poor or dry soils. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.80, postpaid. Not prepaid, 5 lbs., \$7.75.



Montana White Portugal or Silverskin.

WHITE BERMUDA. This is a medium sized onion, flat, very early, and in no sense a keeper. It is not pure white but a light straw color. It is very mild and sweet. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.60; 1 lb., \$3.00, postpaid. Not prepaid, 5 lbs., \$13.75.

NEW QUEEN. This is a small, rapid growing, mild and sweet small white onion used extensively for pickling and the table. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25, postpaid.

EXTRA EARLY RED FLAT. The earliest large Red Onion. A deep purplish red in color, quite flat, firm and of excellent quality. A desirable variety for short seasons or poor soil. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., 95c; 1 lb., \$1.65, postpaid. Not prepaid, 5 lbs., \$7.00.

WELSH WINTER (Perennial). Plant this variety to get the earliest green onions. Seed may be sown either in Spring or Fall. This variety does not make large bulbs but is used only for green onions. The plants are perennial, live in the ground for years, and are absolutely hardy. This is a money maker for the market gardener. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.70, postpaid.

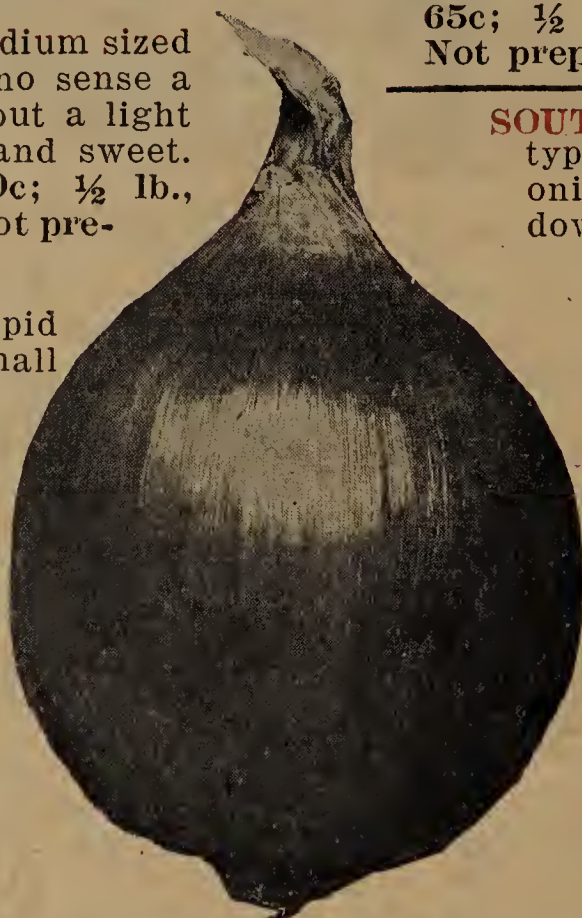


Red Wethersfield.

MONTANA WHITE PORTUGAL or SILVER-SKIN. The All Round Onion. A medium sized, flat, hard and fine grained onion of mild flavor and clear white skin. It is the best keeper of the white onions and fine for Fall and early Winter use. A favorite for pickles and bunching green onions when young and more extensively grown for sets than any other white variety. Our seed is Montana grown, of specially high germination and purity. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.15; 1 lb., \$2.15, postpaid. Not prepaid, 5 lbs., \$9.50.

SOUTHPORT RED GLOBE. The finest type and most popular of the red onions. Our thin neck strain ripens down to a thick glossy purplish red ball. It is a sure ripener, a good keeper, and very showy when cleaned for market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid. Not prepaid, 5 lbs., \$6.75.

SOUTHPORT WHITE GLOBE. This pure white, thin-skinned globe onion commands the highest market price. Our selected strain keeps well, is firm, fine-grained and of mild flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25, postpaid. Not prepaid, 5 lbs., \$10.00.



Extra Early Red Flat.

My garden is planted entirely of Will's seeds as it has been for the last ten years; I have been gardening without a failure.

MRS. PETE KLOSE, R. R. 2, Jamestown, N. D.

Will's Pioneer Brand Onion Seed

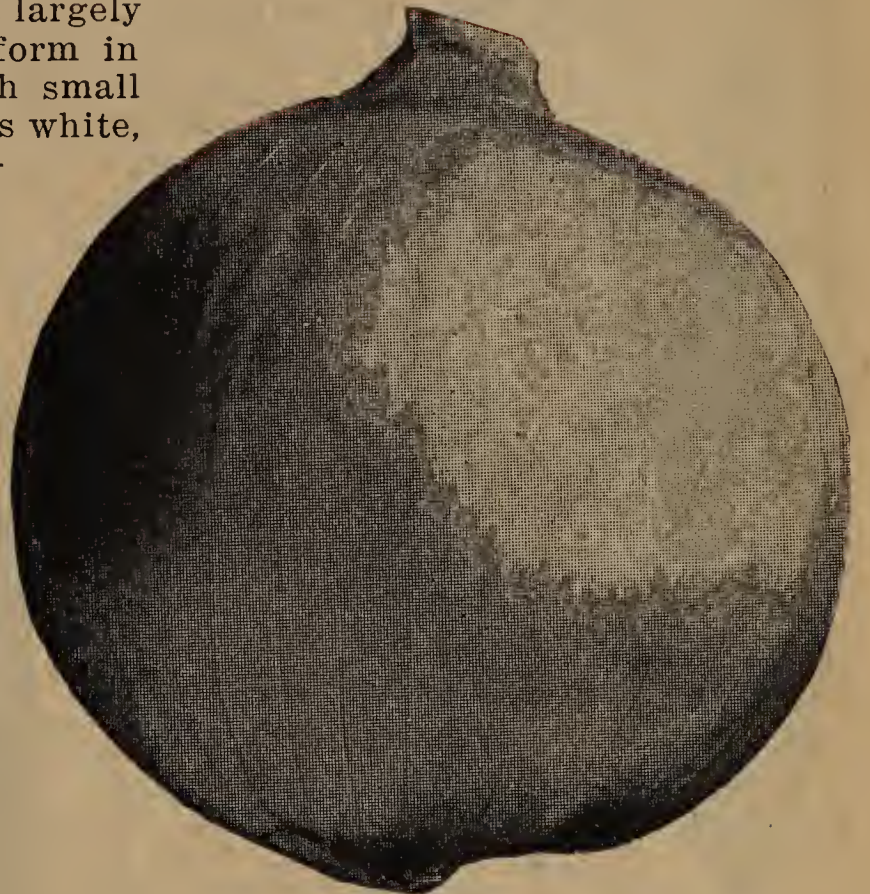
WILL'S DAKOTA GLOBE. The Money Making Onion. We believe this to be the finest and best selected strain of Southport Yellow Globe, the most popular and most largely grown yellow onion. It is early, productive, uniform in its deep yellow color, true deep globe shape, with small neck, and an exceptionally good keeper. The flesh is white, crisp and mild. An excellent onion to sow on breaking, and in every way adapted to our growing conditions in the Northwest. Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., 85c; 1 lb., \$1.55, postpaid. Not prepaid, 5 lbs., \$6.50.

We have used your seeds many years even when I was a little girl and certainly think they do remarkably well every season. Would not try to raise a garden without them.

Mrs. G. O. OLSON,
R. No. 4, New England, N. Dak.

AUSTRALIAN BROWN. This variety is extremely early and a wonderful keeper. There are no scallions and the bulbs form very early. This heavy yielder is of medium size with amber brown skin and solid white flesh. Onions of this sort have been kept a year in good condition. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.40, postpaid. Not prepaid, 5 lbs., \$5.75.

PRIZETAKER. One of the largest onions grown and the mildest. It is productive and a sure cropper. The thin skin is a bright straw-yellow and the flesh is pure white. Our strain grows always to a perfect globe shape, the bulbs often attaining a weight of 2 pounds. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., 95c; 1 lb., \$1.65, postpaid. Not prepaid, 5 lbs., \$7.00.



Will's Dakota Globe.

MOUNTAIN DANVERS. A very early maturing strain of Yellow Globe, not quite as large as Yellow Globe Danvers, but two weeks earlier and a remarkable keeper. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80, postpaid. Not prepaid, 5 lbs., \$7.75.

YELLOW GLOBE DANVERS.

This is a standard variety for Winter use in all markets. Its skin is a rich orange-yellow color. The flesh is pure white, crisp and mild in flavor. It is a dependably heavy yielder and because of its small neck cures well and makes splendid storage stock. Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., 85c; 1 lb., \$1.55, postpaid. Not prepaid, 5 lbs., \$6.50.

RIVERSIDE SWEET SPANISH.

Nearly globular in form, resembling Prizetaker, but considerably larger, the skin is golden yellow in color and the flesh white and very mild. Especially prized for its mildness and delicacy of flavor, this is one of the largest and finest of onions. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid. Not prepaid, 5 lbs., \$11.00.



Prizetaker.

considerably larger, the skin is golden yellow in color and the flesh white and very mild. Especially prized for its mildness and delicacy of flavor, this is one of the largest and finest of onions. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid. Not prepaid, 5 lbs., \$11.00.

I wish to thank you for your prompt service to your customers. I had written to you saying that your Prizetaker onions haven't come up but I think I must have sowed a little deep because after 4 days of gentle rain they have all come up fine.

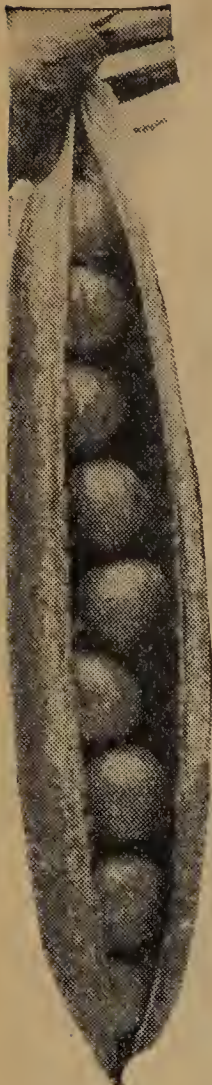
HARRY SUYAMA, Havre, Mont.

Most of us here in Sarles are confirmed Will's patrons because we have proved the worth of your seeds.

NEIL S. McADAM, Sarles, N. D.



Yellow Globe Danvers.



First of All.

Erbsen
(Ger.)

Will's Choicest Garden Peas

Erter
(Scan.)

Culture. Sow early in the Spring in rows 18 to 24 inches apart. The Peas will give quicker returns if covered only one inch deep, and where earliness is the most important they may be treated in that way, but longer pods and more of them will be produced if the seed is planted in trenches three to six inches deep and covered with one or two inches of soil. When the plants are five or six inches high, fill the trench level with the surface. Sow every two weeks for succession. They may be sown broadcast and plowed under. Two pounds for 100 feet of drill; 2 to 3 bushels in drills per acre.

Early Dwarf or Bush Varieties

AMERICAN WONDER.

The earliest of the dwarf wrinkled varieties, of standard quality. The vines are about a foot high, and produce heavy crops of medium size, well filled pods containing 5 to 8 large peas. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.05; 20 lbs., \$3.90; 100 lbs., \$18.50.

SUTTON'S EXCELSIOR. An improved Nott's Excelsior, larger podded and more productive. Height 18 inches. The broad pods are dark green, $3\frac{1}{2}$ inches long, and contain 4 to 6 large, bright green peas of very fine quality. Many regard this hardy variety as best of the dwarf, early sorts. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 20 lbs., \$4.60; 100 lbs., \$22.00.

LITTLE MARVEL. One of the earliest of the wrinkled seeded sorts and probably the most satisfactory Pea for the average home garden. Remains in prime picking condition a week longer than most sorts. The vines are 15 inches high, heavy, with dark green pods usually set in pairs. The pods are filled with from 7 to 8 very dark green peas of high quality. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 26c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.40; 20 lbs., \$4.60; 100 lbs., \$22.00.

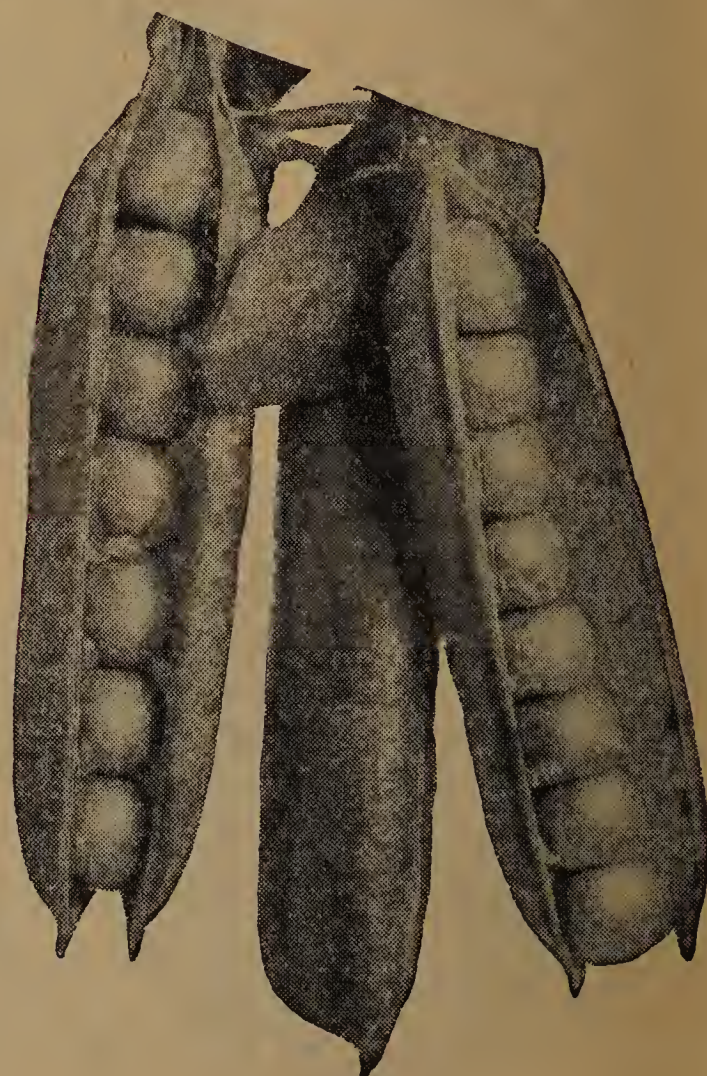
HUNDREDFOLD or BLUE BANTAM. One of the best of the Laxtonian type; the vines are from 16 to 18 inches tall, sturdy and very productive. The pods are dark green, 4 inches long, and contain 8 large, dark green peas. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 37c, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 20 lbs., \$4.20; 100 lbs., \$20.00.

World's
Record.

Early Varieties NOT DWARF

FIRST OF ALL OR EARLY JUNE. This is the earliest Pea in cultivation. The seed is smooth and for that reason this variety may be sown two weeks earlier than any wrinkled sort, as it will not rot in the ground. The vines grow to a height of $2\frac{1}{2}$ feet. It is a very heavy and even cropper—can be cleaned at two pickings. This variety is a great favorite with gardeners for the early market. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 23c; 1 lb., 35c, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.90; 20 lbs., \$3.60; 100 lbs., \$17.00.

WORLD'S RECORD or IMPROVED GRADUS. This is one of the earliest of the wrinkled seeded, large-podded varieties. The vines reach a height of 2 feet, produce most abundantly and bear throughout the season. The pods are nearly as large as those of the Telephone, and the tender peas are of a most delicious flavor. It is the market gardener's favorite. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 37c, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 20 lbs., \$4.20; 100 lbs., \$20.00.



Little Marvel.

All Peas and Beans Require an
Inoculant



GARDEN SIZE, WILL
TREAT UP TO 8 LBS.
PRICE POSTPAID

See page 35.

25c

Dwarf Peas—Continued

LAXTON'S PROGRESS. The earliest and best of the large-podded dwarf Peas. We have dropped both Pioneer and Peter Pan in favor of this very similar and much better variety. The vines grow 18 inches tall and are more productive than any other of the dwarf class. This new sort is absolutely the best of its class to date. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 20c; 1 lb., 37c, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$2.20; 20 lbs., \$4.20; 100 lbs., \$20.00.

McLEAN'S LITTLE GEM. An early dwarf Pea of delicious flavor; excellent for family use. The vines are about 18 inches in height and produce an abundance of pods from $2\frac{1}{2}$ to 3 inches long. The Peas are borne at the top of the stalk and are easily gathered. They are delicious and are sweeter than others of the dwarf varieties. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 23c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$2.05; 20 lbs., \$3.90; 100 lbs., \$18.50.

McLean's
Little Gem

Laxton's Progress

Edible Podded Variety

DWARF GRAY SUGAR. Height 2 feet. The pods are 3 inches long, curved and blunt, plump and fleshy. This sort is moderately early and very prolific. The pods are picked when the peas are forming and broken and cooked like string beans. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00.



Bliss Everbearing

Main Crop Varieties

BLISS EVERBEARING. If the pods are picked as they mature, the vines will continue to branch and bear, giving the variety its name. It grows to a height of $2\frac{1}{2}$ feet and as many as 100 pods have been counted on a single vine. Peas are large and sweet and packed tightly in the pods. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 20c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.05; 20 lbs., \$3.90; 100 lbs., \$18.50.

ALDERMAN. The best main crop variety of the Telephone type and the most popular tall, main crop Pea. The vines grow to a height of 4 feet. The pods average about $4\frac{3}{4}$ inches long, containing nine large, medium green peas of highest quality. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 20 lbs., \$4.20; 100 lbs., \$18.00.

LINCOLN. A very productive pea of fine quality recommended for mid-season by the North Dakota Experiment Station. The vines grow 2 feet tall. The pods run from $3\frac{1}{4}$ to $3\frac{3}{4}$ inches long, containing from 6 to 8 medium green peas of fine quality. One of the best yielding Peas. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 24c; 1 lb., 36c, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 20 lbs., \$4.20; 100 lbs., \$20.00.

ONWARD. A very distinct and valuable new midseason variety, coming in just ahead of Telephone. A heavy cropper, 3 feet in height, the pods are 4 inches long, broad, straight and blunt-ended, containing 6 to 8 deep green peas. This is decidedly the best Pea of recent introduction. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 26c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.40; 20 lbs., \$4.60; 100 lbs., \$22.00.

Radishes (German)

Will's Northern Grown

**Will's Early Carmine**

this superb variety as is grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c, postpaid.

CRIMSON GIANT. Extremely large, but never pithy or hollow. This Radish is of uniform globe shape. The skin is crimson; the flesh white, crisp, tender and sweet flavored. One of the best varieties for outdoor culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 28c; $\frac{1}{2}$ lb., 45c; lb., 75c, postpaid.

**Crimson Giant.**

LONG SCARLET SHORT TOP. Sometimes called Cincinnati Market. The roots of this old reliable variety are smooth, slender, and uniform, about six inches long, a bright carmine-red in color, and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 80c, ppd.

MODEL BOX. White Radishes are invariably better keepers and last longer in the field than other sorts. Model Box is a white, turnip-shaped Radish, the very earliest

**Model Box.**

white variety and is ready for use in 30 days. Pure white, crisp and mild. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00, postpaid.

FIREBALL — NON

PLUS ULTRA. An early round Radish of bright scarlet color and pure white flesh; crisp, tender, and of the very best flavor. It has few and short leaves, which permits close growing. Very desirable for the home garden and a money maker for the market gardener. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c, postpaid.

Culture. For early use the seed may be sown in hotbed. For open ground culture, sow in the Spring as soon as the ground can be worked, in drills 10 to 12 inches apart. Sow every two weeks for a succession. About 600 seeds to the packet.

WILL'S EARLY CARMINE. Our old reliable extra early sort which has so long been the favorite throughout the Northwest. A bright carmine in color, almost round in shape, very early, mild and lasts well for an early sort; crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c, postpaid.

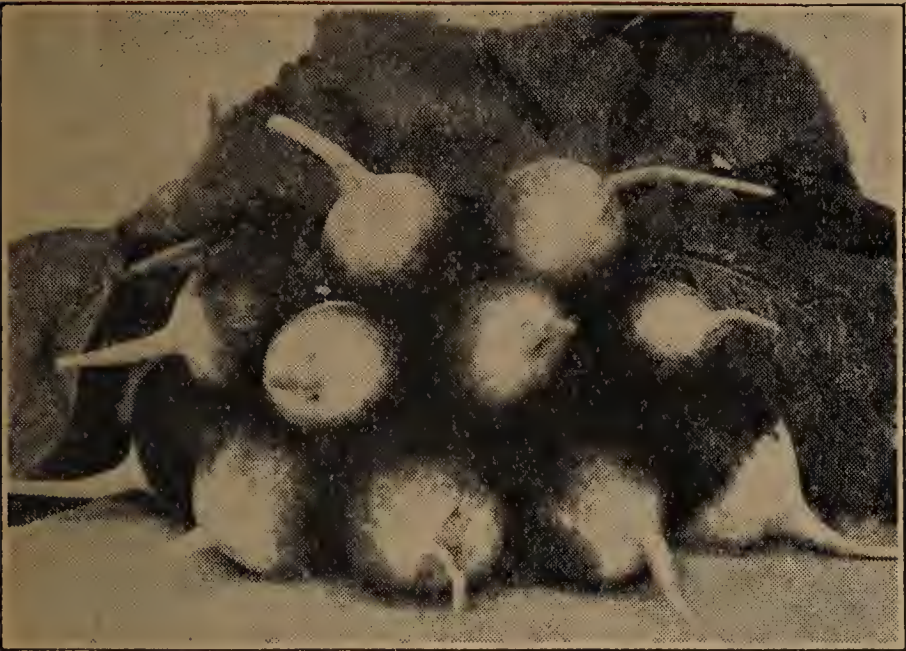
EARLY SCARLET GLOBE. The market gardener's variety. One of the earliest forcing Radishes and does equally well outside. The bright scarlet roots are fair sized, globe-shaped and with very small top. We have as good a stock of

**Saxa.**

SAXA. The earliest, smallest topped Radish, and one of the slowest to seed. The round, bright scarlet roots are ready for the table 20 days after planting the seed. We have a fine stock of this variety and the demand has increased annually since we first listed Saxa in 1918. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.15, postpaid.

**Fireball Radish.**

RADISH SEED



Sparkler

SPARKLER. Improved Scarlet Turnip White Tipped. This extra early strain is perhaps the most attractive Radish we have. The color is a rich carmine-scarlet with well defined tip of purest white. The flesh is solid and crisp, and remains fit for use as long as some of the coarser varieties. Largely grown by market gardeners both because of its earliness and its quality. Pkt., 5c; oz., 10c; ¼ lb., 28c; ½ lb., 45c; lb., 75c, postpaid.



Black Spanish Winter

BLACK SPANISH WINTER. One of the latest as well as the hardiest of Radishes. The skin is black and flesh white, solid, crisp and pungent. Keep well all Winter. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c, postpaid.

CHINA ROSE WINTER. One of the very best Winter Radishes. The roots are cylindrical and blunt at both ends. The skin is bright, deep rose color and the flesh white and very crisp. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c, postpaid.

WHITE STRASBURG. One of the best large, white late Summer sorts for home garden and market. The roots are about 5 inches long, thick at the shoulder and abruptly tapering. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 80c, postpaid.

Your radish seed has proven to be the best seed I have ever used.
MRS. W. H. WALLACE, Driggs, Ida.



French Breakfast

FRENCH BREAKFAST. A half-long, very crisp and quick-growing Radish. In color it is a bright rose-scarlet with blunt white tip. It is very early, a great favorite on the market and unexcelled for home garden. Pkt., 5c; oz., 10c, ¼ lb., 30c; ½ lb., 50c; lb., 85c, postpaid.



White Icicle

ICICLE. The finest of early pure white varieties. Their long, slender form and pure white skin make the roots attractive. They are unusually crisp and tender and preserve these qualities much longer than the red sorts. One of the most desirable sorts for outdoor Summer planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c, postpaid.

A GOOD GARDEN ALWAYS PAYS

Peanuts

CULTURAL DIRECTIONS FOR PEANUTS FOR THE ASKING

SPANISH. Earliest variety grown. Pods are small, but remarkably solid and well filled. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for bushy habit of the plants. Pkt., 10c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 23c; 1 lb., 33c, postpaid. Not prepaid, 5 lbs., \$1.10.

Spinat (German)
(Scandinavian)

Spinach

CULTURE: Sow in early Spring, in drills 12 to 15 inches apart, covering not more than one inch deep. Sow two weeks apart for succession. One ounce for 100 feet of drill. With exception of New Zealand Spinach, about 600 seeds to the packet.

PRINCESS JULIANA. A new thoroughbred type of long standing spinach, very slow to bolt to seed and a most attractive sort. The leaves are large and rounded, thick, very much blistered and crumpled, and of an intense, very dark green color. We check this variety as having the most attractive color of any sort in our trials. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c, postpaid.

BLOOMSDALE or SAVOY LEAVED (Norfolk Savoy). This is probably the earliest and hardiest

variety. It is best for early planting, as the plants bolt to seed quickly in hot, dry summer weather. The plant is of upright growth and the broad, pointed, crinkled leaves are very thick and a glossy green. This sort yields a heavy crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 18c; $\frac{1}{2}$ lb., 29c; 1 lb., 45c, postpaid.

King of Denmark Spinach

NOBEL-GIANT THICK LEAVED

(also called Big Crop). This very rapid grower produces the largest plants of any variety we know. The leaves are very thick and rather smooth, making this more easily cleaned than most sorts. It is long standing, desirable for canning, home and market. It was the largest yielding Spinach in our trials last summer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c, postpaid.

KING OF DENMARK, Antovorskov. This variety is slower to run to seed than any other sort. The plants are early, vigorous, and productive, bushy in habit. The rounded leaves are crumpled, blistered and a deep green in color. This is a sort the Northwest has been looking for. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 32c; 1 lb., 55c, postpaid.

NEW ZEALAND. Not a true Spinach, this variety thrives in any soil and stands hot weather. As the leaves are picked off, new shoots appear and yield a continuous supply of greens, throughout the summer, when other Spinach would be useless. 125 seeds to the packet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c, postpaid.



New Zealand Spinach



Mammoth Sandwich Island Salsify

Haferwurz
(German)

Salsify or Oyster Plant

Havrerod
(Scandinavian)

CULTURE: Sow as early as the ground can be worked, in drills 12 to 15 inches apart, one inch deep. One ounce to 100 feet of drill. About 180 seeds to the packet.

MAMMOTH SANDWICH ISLAND SALSIFY. This is an improved type of Salsify and the best sort. The roots are double the size of the old Long Smooth variety, less likely to branch, and are of equally good quality and delicate flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.05; 1 lb., \$1.90, postpaid.

Use **WILL'S PIONEER BRAND MERMASH** for Your **CHICKS** and **LAYING HENS**—See Page 78

Kürbiss (German)

Squash-graekar (Scandinavian)

Will's Squashes

Early and Hardy Varieties
for the Northwest

Culture. One ounce to 25 hills, Summer, and one ounce to ten hills, Winter. Plant the hills in the same manner and the same time as melons, and cucumbers, the bush varieties three to four feet apart and the running kind seven to eight feet apart. About 30 seeds to the packet of Winter Squash; about 70 to the packet of Summer Squash.

WINTER SQUASH

WINNEBAGO. One of the very best of squashes. The squash is long, greenish black in color, and a good keeper. The bright orange flesh is thick, very dry and sweet and less stringy than almost any other squash. Even the past dry season we had many Winnebago Squash weighing over 30 pounds. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.35, postpaid.



Buttercup

BUTTERCUP SQUASH. (See Inside Front Cover.) A cross between Essex Hybrid and Quality developed by Professor A. F. Yeager of the North Dakota Experiment Station. The squashes weigh between 3 and 5 pounds with thin, tough green skin. There is no fibrous section and the deep, rich orange flesh is untinged with green. It is a good keeper with less waste and shrinkage in cooking than any other squash we have tried. The flavor is pleasant and very like that of a sweet potato, very sweet; the texture smooth and comparatively dry. This is the best squash we have ever tasted. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 95c; 1 lb., \$1.75, postpaid.

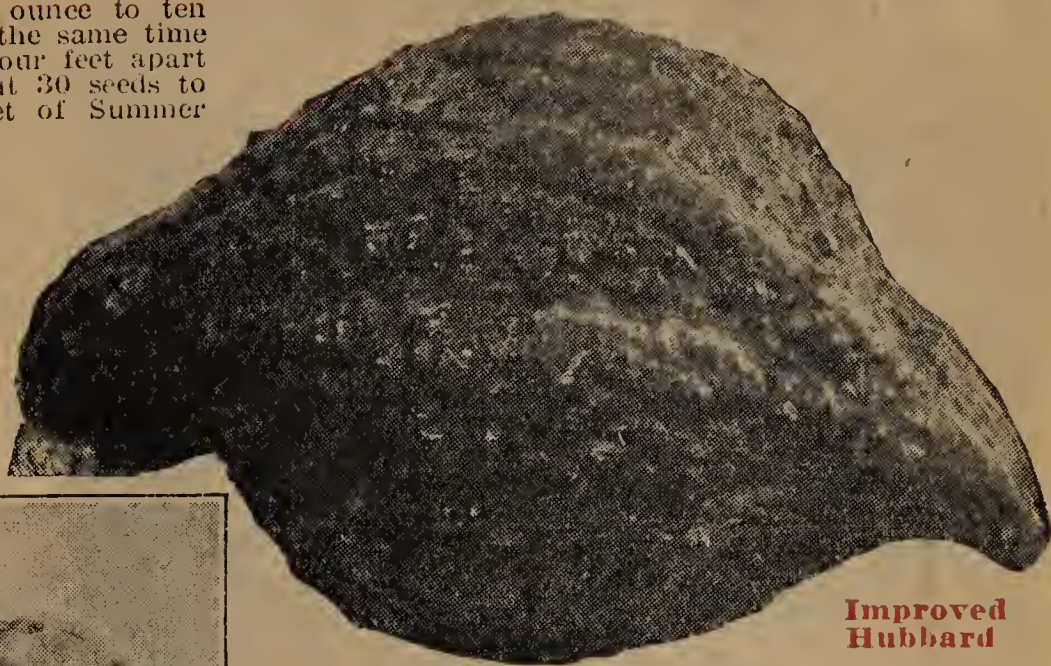
MAMMOTH CHILI. Grown for exhibition and stock feeding, specimens have been grown to weigh over 150 pounds. The skin is a rich orange-yellow and the very thick flesh is yellow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; 1 lb., \$1.50, postpaid.

GILMORE. A cross between the Winnebago and the Arikara combining the flavor and quality of the former with the earliness, hardiness and productivity of the Arikara. The skin is salmon colored tinged with blue green. The flesh is orange, thick and fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25, postpaid.

TABLE QUEEN or DES MOINES. A small, very productive variety of many desirable qualities. Its size is particularly desirable as one squash makes a meal for a hungry person. The thin shell is ribbed and very dark green in color. The rich golden flesh is very thick and the seed cavity small. A good keeper. The quality is excellent. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20, postpaid.



Table Queen



Improved Hubbard

IMPROVED HUBBARD. The Standard Winter Squash. More extensively grown for the market than any other variety. The fruits are large, heavy and moderately warted. The shell is a dark bronze-green; flesh bright yellow, fine-grained, dry and sweet. Its quality is the standard of excellence. Our seed is a superior strain as the result of careful selection over a long period of years. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.35, postpaid.

RED or GOLDEN HUBBARD. This is a sport from the true Hubbard, and quite like its parent in form and habit, but decidedly earlier. The shell is moderately warted, hard, strong and a bright orange-red in color. The flesh is deep orange, dry and of splendid quality. This is a superior table variety and an excellent keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20, postpaid.

ARIKARA.

you want the earliest large Winter Squash, the squash that will set fruit and outyield all others under drought conditions, plant the Arikara. The shell is salmon, varied with blue green; flesh orange tinged with green near the shell, of firm texture and good quality. It is a wonderful keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25, postpaid.



Arikara

GENERAL PURPOSE SQUASH

EARLY MANDAN SQUASH. The Very Earliest Squash in the World. This wonderful little Squash, obtained by us from the Mandan Indians, will ripen anywhere, notably in the Montana mountains, where squashes had never been grown before. It is hardy, drought resistant and withal of fair quality. Pkt., 10c; oz., 25c, postpaid.

FORDHOOK. A desirable variety for both Summer and Winter use. The type is small and oblong, averaging nine inches in length, slightly ridged. The skin is smooth, thin and yellow. The seed cavity is very small and the unusually thick straw-colored flesh is extremely dry and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.40.

SUMMER SQUASH

ITALIAN MARROW—COCOZELLE. The most delicate and finest flavored Summer squash. Of compact bush growth, the vines yield heavily of fruit averaging 14 inches long and 5 inches in diameter, dark green in color with the yellow and green stripings. Used when 10 inches long and perfectly green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.10, postpaid.

MAMMOTH WHITE BUSH. Cympling or Patty Pan. A very early Summer squash. It is flattened and scalloped, comparatively smooth on the surface and creamy white in color. The flesh is thick and very fine in quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00, postpaid.

GIANT SUMMER STRAIGHTNECK. A selection from the Crookneck Squash, but with straight rather than crooked neck. The fruits are intensely warted. 18 to 20 inches long and a deep orange in color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; 1 lb., \$1.45, postpaid.

GIANT SUMMER CROOKNECK. A new variety early as common Crookneck and much larger, frequently two feet long. It is heavily warted, of bright golden color, brittle and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00, postpaid.

Culture. Sow in hotbed or shallow boxes in the house in early Spring; when plants are large enough, transplant into hotbed or boxes and when all danger from frost is past transplant into open ground, about four feet apart each way. About 600 seeds to the packet.



Red River Tomatoes

MILLET'S DAKOTA. The hardiest, most drought resistant early Tomato. Originated by the late John W. Millet of Bismarck, and introduced by us in 1913, it is as early as the earliest strain of Earliana. The fruit is of medium size, smooth uniform shape, and of rich deep scarlet color. It is of high quality, although not as meaty as the Red River. Under fairly favorable conditions we believe the Red River will outyield Millet's Dakota, but under the harshest conditions we will back Millet's Dakota against all comers. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.30, postpaid.



Millet's Dakota

PINK PEACH. This excellent sort resembles a peach in size and shape. The surface of the fruit is covered with a down much like its namesake. It makes delicious preserves and pickles. Size about the same as most early sorts and excellent to eat fresh. Pkt., 10c; ½ oz., 28c; oz., 50c, postpaid.

YELLOW PLUM. A beautiful sort, much resembling a plum in size and shape; widely used for preserving. Pkt., 10c; ½ oz., 25c; oz., 40c, postpaid.

RED CHERRY. The fruits are very small, about the size of a large cherry, smooth and round. It bears early and freely until frost, and is used for preserving. Pkt., 10c; ½ oz., 25c; oz., 40c, postpaid.

Will's Early

Liebesapfel (German)

GOLDEN BISON. (See inside front cover for colored illustration.) A fine addition to the Bison family. Professor Yeager has combined the earliness and compact habit of growth of Bison with a medium sized, smooth, mild Golden Tomato of finest quality. Attractive in salads especially when sliced together with Red Tomatoes. This sort is worth trying. Pkt., 15c; 2 pkts., 25c; ½ oz., 65c; oz., \$1.05.

FARGO YELLOW PEAR. (See Page 1 for illustration.) In this new sort Professor A. F. Yeager of the North Dakota Agricultural College has combined the earliness and self pruning habit of his Bison Tomato with typical Yellow Pear Fruit. Its extreme earliness and heavy yields are worth while. Pkt., 15c; 2 pkts., 25c; ½ oz., 65c.

RED RIVER. We could fill a fair sized book with letters we have received in praise of this variety. It is the result of a cross of Carter's Sunrise, a small, very meaty, greenhouse variety, with one of the North Dakota Experiment Station's selections of Earliana, made by Professor A. F. Yeager of the North Dakota Agricultural College. One of the earliest, and the most solid, meaty early sort we have ever seen. Red River is a heavy producer of bright scarlet, medium sized, slightly flattened, smooth fruits of solid meat and splendid flavor. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00, postpaid.

Your seeds behaved in classical fashion. I have had a perfect strike and all plants are looking very healthy. Red River Tomato is making better growth than seven other new imported Continental varieties. I am more than pleased with your seeds.

B. M. JEFFERY, Roxburgh, Otago, New Zealand.



Strawberry or Ground Cherry

STRAWBERRY, GROUND CHERRY or HUSK TOMATO. This variety is unequalled for canning, preserving or making pies. Dried in sugar as raisins or figs they are unexcelled. The vines cover the ground and yield enormously. The yellow fruits are half an inch in diameter and enclosed in a husk. Pkt., 10c; ½ oz., 30c; oz., 45c, postpaid.

I wish to inform you that the Bison Tomato is the finest Tomato I have ever had and I have tried quite a few. They were the only ones that bore a crop out of seven kinds.

MRS. F. J. MICHEL, Glasgow, Mont.

Hardy Tomatoes

Tomat (Scandinavian)

BISON. The Tomato for Northern Gardens. This is one of Professor Yeager's contributions, extra early, prolific and of finest quality. The plants are determinate or self pruning. For illustration of plant and full description see page 1. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00; 1 lb., \$7.00, postpaid.

EARLIANA. Selected Early Strain. One of the earliest and best of the early varieties. It is very productive for an early sort. The fruit is fair sized, round, very smooth and solid and produced in clusters in the center of the plant. The color is a bright scarlet. You simply cannot beat our strain of this grand old sort. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c, postpaid.

GOLDEN QUEEN. "Queen of All the Yellows." It is very prolific, ripens early, and is solid, always smooth, entirely free from ridges, large in size and delicious in flavor. It is fine for slicing. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c, postpaid.

PONDEROSA. A very large, solid meated, purplish-red tomato. It is a little late for the ordinary northern garden, but we list the earliest northern grown strain in response to a demand from southern customers and some northern gardeners who wish to grow the largest tomatoes. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25, postpaid.

AGASSIZ. The result of a cross between June Pink and Livingston Globe made and developed by Professor A. F. Yeager of the North Dakota Agricultural College. It is slightly later than Red River, the scarlet fruits are larger and of very mild flavor. Professor Yeager says that "this variety has been the choice of the Superintendents of our substations here in North Dakota during the years they have tested it." We found this a very satisfactory variety the past four Summers. Pkt., 15c; $\frac{1}{2}$ oz., 60c.

STONE. This is the standard main crop sort for truckers and canners. Plants very vigorous and productive, fruit round, smooth, solid and deep red. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c, postpaid.



Bison Tomato.



Selected Earliana.

Last year I bought $\frac{1}{2}$ ounce of Bison Tomato Seed from you. We raised our plants in a hot-bed and got wonderful results. On July 26 I picked the first ripe tomatoes. We canned 500 quarts and had a total crop of 150 bu. of tomatoes. Prof. Yeager deserves a real compliment for having developed this self-pruning plant.

Sacred Heart Indian Mission,
Rev. Reinhard Kaufman,
Elbowoods, N. D.

RED HEAD. This new variety is one of the very best second early sorts. As early as Chalk's Jewel it is nearly as large as Stone. Very productive, the fruits are nearly globe-shaped and very solid. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25, postpaid.

CHALK'S EARLY JEWEL. Perhaps the best second early scarlet-fruited variety for the Northwest. Extensively used for canning and on account of its large size, excellent quality and productiveness a most satisfactory sort for the home garden. Pkt., 5c; $\frac{1}{2}$ oz., 23c; oz., 35c; $\frac{1}{4}$ lb., \$1.10, postpaid.

BONNY BEST. Very nearly as early as Millet's and Earliana, the bright deep scarlet fruits ripen more evenly than do those of any other early scarlet variety and are of superior solidity and interior color. A good yielder and most attractive in shape and color. This sort is coming rapidly to the front both for the home and market garden. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c, postpaid.

YELLOW PEAR. This variety is used for pickling and preserves. It is delicate in flesh and flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c, postpaid.

WONDERBERRY—GARDEN HUCKLEBERRY. Not a true Huckleberry, but belonging to the same family as do Tomatoes, Eggplant, and Pepper, this is very productive of round, nearly black fruits, but little smaller than a Concord Grape. These fruits when fully ripe make excellent pies, preserves, and jam. Pkt., 10c; oz., 50c.

Your Bison Tomato have anything beat for dry weather I ever saw. Grew it last year along side Ponderosa. Had three times the Tomatoes on one-third the vine as I had on Ponderosa.

P. C. WILSON, Muncie, Ind.

June 22, 1933.
Found a ripe tomato today of your Bison brand. Can you beat that!
MRS. W. R. BLUME, Glenburn, N. D.

Kohlrübe
(German)

Will's Best Rutabagas

Roe
(Scandinavian)



Will's Improved Rutabaga

Culture. Sow latter part of June or first of July. If drilled in, rows should be about 20 inches apart, and frequent cultivation will increase the yield. One ounce to 250 feet of drill, 1½ pounds per acre if drilled, and 2½ pounds if broadcast. About 1,900 seeds to the packet.

WILL'S IMPROVED AMERICAN PURPLE TOP YELLOW. The roots are large, globular in form, with small neck, and very small tap root. The color is a bright yellow with a purple top. The flesh is very solid, yellow, tender and sweet. Our strain is very hardy and especially adapted for broadcasting on new breaking. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c, postpaid. Not prepaid, 5 lbs., \$2.00.

PAJBBERG BANGHOLM. The roots are purple-topped with very small necks. The flesh is yellow, exceedingly solid and crisp. This is the sweetest rutabaga in cultivation, a very heavy yielder and a splendid keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c, postpaid. Not prepaid, 5 lbs., \$2.25.

WHITE SWEET PERFECTION. This white Rutabaga is a heavier yielder than most of the yellow sorts. Especially desirable for table use, it is neckless, small topped, fine grained and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c, postpaid. Not prepaid, 5 lbs., \$2.25.

EARLY NECKLESS. Three weeks earlier than Purple Top Yellow, entirely neckless, free from side roots, round and uniform, this is a fine quality Rutabaga. Pkt., 5c; oz., 10c; ¼ lb., 27c; ½ lb., 43c; 1 lb., 75c, postpaid. Not prepaid, 5 lbs., \$2.50.

Weiss-Rübe
(German)

Will's Best Turnips

Turnips
(Scandinavian)

Culture. Sow seed early in the Spring for the Summer crop and about the middle of July for late crop. May be sown in drills or broadcast. One ounce will sow 150 feet of row, 1 to 2 pounds to the acre. About 2,200 seeds to the packet.

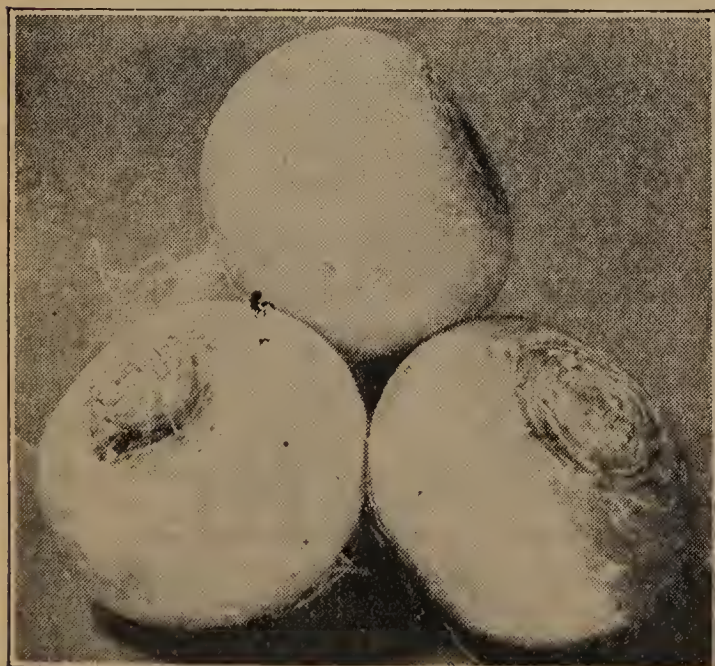
PURPLE TOP STRAP-LEAF. The most widely cultivated and best known variety. The roots are flat, medium sized, purple above ground and white below. The flesh is white, fine grained and tender. It is a quick grower and very productive. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 55c, postpaid.

EXTRA EARLY WHITE MILAN. The earliest turnip, can be used Spring or Fall. The creamy white roots are medium sized, flat and uniform. The white flesh is fine-grained, tender and sweet, of splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 27c; ½ lb., 43c; 1 lb., 75c, postpaid.

EXTRA EARLY PURPLE TOP MILAN. Nearly as early as White Milan. The roots are medium sized, white, with purple top. Pkt., 5c; oz., 10c; ¼ lb., 28c; ½ lb., 45c; 1 lb., 80c, postpaid.



Purple Top Strap Leaf.



Purple Top White Globe.

WHITE EGG. A medium sized, very early, snow-white variety, with firm, fine-grained flesh. Does not crack as readily as the flat varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c, postpaid.

EARLY WHITE FLAT DUTCH. A very early flat turnip of medium size and clear white skin. The flesh is very white, fine-grained and sweet. One of the most popular sorts for home or market. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c, postpaid.

PURPLE TOP WHITE GLOBE. A good-sized, globe shaped variety of fine appearance, a good producer and a fine keeper. The flesh is firm, fine-grained, tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 55c, postpaid.

YELLOW ABERDEEN. A long-keeping, globe shaped, medium sized, yellow sort, tender and sweet fleshed. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c, postpaid.

North Dakota Grown Seed Potatoes

All Potato Prices Subject to Market Changes. Write for Prices on Large Lots. We Do Not Ship Potatoes Until Danger of Frost Is Over

Early Triumph Seed Potatoes

THE MOST POPULAR EXTRA EARLY SORT

The Early Triumph is a roundish, red potato, somewhat earlier than the Early Ohio and a very good yielder on good soil with fair moisture conditions. It is a great favorite at the present time, and many carloads of seed from our state are shipped south where they are used to produce the early crop for the large markets. F. O. B. Bismarck, pk., 50c; ½ bu., 90c; bu., \$1.75.

Irish Cobbler Seed Potatoes

Our stock of these is from the finest registered stock imported from Montana. In spite of the drouth we have had a good yield of high quality and good true stock. The Cobbler seems to be the heaviest yielding main crop sort on good soil. A white potato of very excellent eating quality. F. O. B. Bismarck, 1 pk., 50c; ½ bu., 90c; bu., \$1.75.

Selected North Dakota Early Ohios

The Early Ohio is the standard seed potato of the country and North Dakota grown seed is recognized as best of all. Our stock is of the best selected strain, of good shape, clean and vigorous, and is all North Dakota grown. The Early Ohio is a heavy yielder, uniform in size and unexcelled in eating quality and is probably more grown than any other single variety of potato. F. O. B. Bismarck, pk., 50c; ½ bu., 90c; bu., \$1.75.

White Gold Extra Early

This is a new white potato similar to the late white Green Mountain in appearance, a heavy producer, but as early as the earliest standard sorts. It is therefore especially adapted to the Northwest. F. O. B. Bismarck, pk., 60c; ½ bu., \$1.00; bu., \$1.90.

Potato Eyes

Plant 8,000 to 12,000 to the acre

Unless the season is very dry these eyes, properly cut with a deep wedge of flesh as we cut them, will produce very nearly as good results as the whole potatoes. For those who live at a considerable distance, in view of the present transportation rates, and for those who are far from express or freight offices, potatoes in this form for planting are invaluable. We do not forward until danger from frost is past unless especially directed to ship on a given date.



PRICES: Any of varieties listed above, postpaid, 100, 60c; F. O. B. Bismarck, per 1,000, \$4.50.

I might add that our first business transaction with Will's was in 1887 when we bought 20,000 Cottonwood with which to plant two ten acre tracts on tree claims in Richland County. Boy—they are some trees now.

ROBERT M. TYSON,
Sawyer, N. Dak.

All plants and shrubs arrived in excellent condition and are making the best of an unfavorable season. I thank you very kindly for your interest. Your packing is all that could be desired. These plants certainly keep me busy.

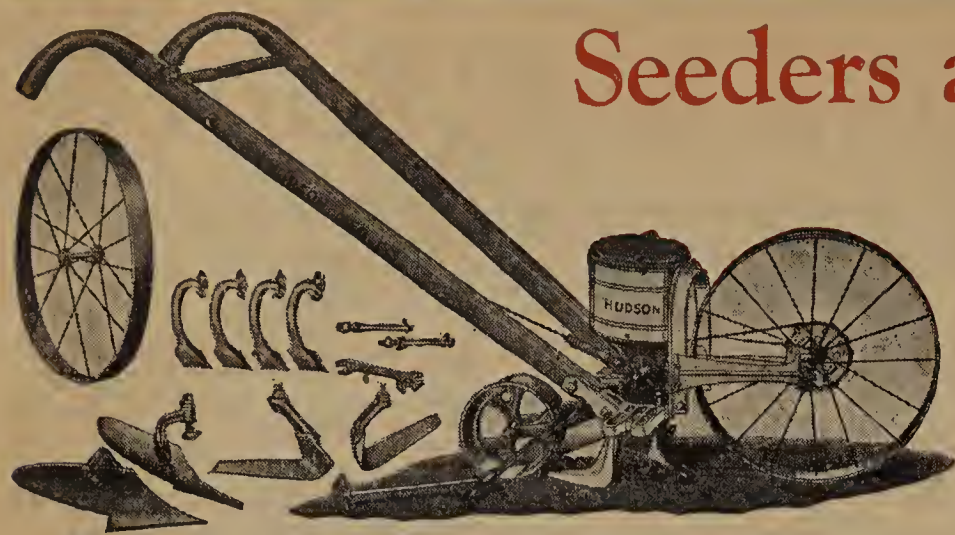
T. M. HUNT,
Fairbanks, Alaska.

THE GARDEN NOTEBOOK

by Alfred Putz

Illustrated handbook of home gardening for each week of the year. Includes houseplants and every operation of the small home garden—soils, insects, fertilizers, bulbs, seedlings, cuttings, pruning, lawns, borders, and rock gardens. 52 working drawings show just what to do and how. 212 pages, 5 x 8. \$1.60 postpaid.

Seeders and Cultivators



Hudson Combination Seeder and Cultivator No. 201

We are again offering this new machine which we can thoroughly recommend. It combines a high grade drill and seeder with both two- and one-wheel cultivators and sells at a very reasonable price for so excellent a machine. The illustration will give an idea of the equipment, which is very complete. **Price, boxed, handles furnished, F. O. B. Bismarck, \$15.00.**

Hudson Seeder No. 205

Designed for the market gardener who does a great deal of seeding, and must always have a seeder set up ready for use. Can be made into a cultivator by adding the cultivating equipment as the steel frame and arch are standard. Will sow all seeds from beans down to the very finest garden variety, either in continuous drills, or in hills spaced from 4 to 24 inches apart. The all brass seed regulator is absolutely accurate and gives perfect control of the seed flow. The adjustable furrow opening shoe permits planting at any depth up to 2 inches. **Price, complete, boxed, F. O. B. Bismarck, \$12.00. Shipping weight, 44 pounds.**

Hudson No. 342 High Wheel

This is a first class cultivator of the easy running, high wheel type. **Price, complete, F. O. B. Bismarck, \$3.75.**

Hudson Single Wheel Hoe No. 218

This single wheel cultivator is a practical tool for the small gardener. It can be used as a hoe, plow or cultivator, working between rows. **F. O. B. Bismarck, boxed, \$7.25. Shipping weight, 32 pounds.**

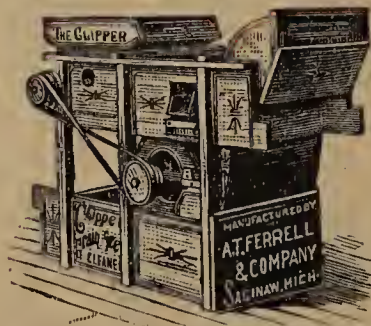
Hudson Double Wheel Hoe No. 214

Same as No. 218 except less cultivator teeth and plows but with an extra wheel for cultivating astride row. **F. O. B. Bismarck, boxed, \$7.25. Shipping weight, 32 pounds.**

\$3.00 Hudson No. 1 Single Wheel Cultivator and Pulverizer

This is one of the handiest little machines for the garden that we have ever seen. Can be used in any rows between twelve and six inches apart; consists of a weed cutting blade in front followed by five stirring and pulverizing teeth. Easy running, strong and sturdy. **Shipping weight, 12 pounds. F. O. B. Bismarck, \$3.00.**

CLIPPER FANNING MILLS



The best mill for general purposes that we have ever used. We have it in 2 sizes, the smallest No. 1-B, the second No. 2-B. 12 assorted screens furnished with each machine. No. 1-B capacity 20 bu. per hr., screens 22½ in. long, 19 in. wide. **Price No. 1-B, \$37.00; No. 2-B, \$43.00, F. O. B. Bismarck.**

HOILAND WILD OAT SEPARATOR

This is the only machine which will take wild oats out of all other grains including tame oats. It comes in two sizes, one handling ten to twenty

bushels per hour, the other about twice as much. **Price, F. O. B. Bismarck or Fargo, small size, \$35.00; large, \$50.00.**

LAWN AND GARDEN HOSE

at Lowest Prices

All Hose Quoted Is 5/8 In.

OUR BEST HOSE

This is the very best hose procurable at any price, and is almost indestructible by ordinary use. Lasts several times longer than ordinary hose. **Price, cut to any length, with couplings, 16c per foot, F. O. B. Bismarck.**

NON-KINKING

Non-kinkable. This is the very best quality and lasts indefinitely. In 50-ft. length or cut to any length desired. **Per foot, 12c.**

ECONOMY ALL RUBBER

A good inexpensive hose for light usage. In 50 foot lengths. **Price, per foot, 8c.**

GRASS AND PRUNING SHEARS



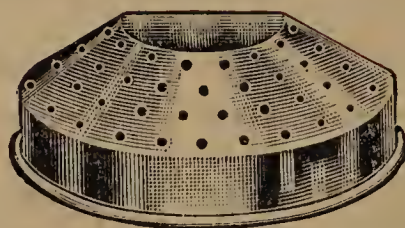
THE DOO-CLIP. The new shears with the new and easy operating principle. Self tightening and very handy. **Price for either grass shears or pruning shears, \$1.50 here or \$1.60 postpaid.**

Customer Pays Transportation Charges Unless Item Is Marked Postpaid.

DOLLAR REVOLVING SPRINKLER

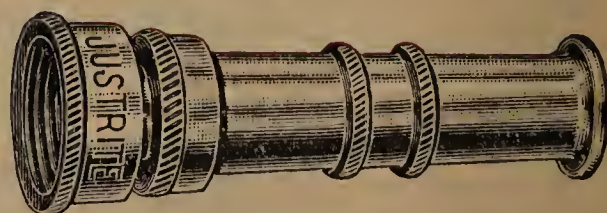
This is a rotating sprinkler of unusually long lasting quality, in fact the best for the money that we have ever been able to offer. Throws a remarkably fine and even spray to a great distance. **Postpaid, \$1.00.**

VICTOR HALF CIRCLE LAWN SPRINKLER



Designed for the small lawn, especially where the water should carry in one direction only, as along the edge of walks, etc. Easily moved without turning off. **Each, 50c; postpaid, 60c.**

JUSTRITE NOZZLE



A well made adjustable nozzle with the washer attached to the coupling end. Gives fine or coarse spray or solid stream. **Price, each, 65c; postpaid, 75c.**

NOCO NICKEL CHROME NOZZLE. A sturdy, inexpensive nozzle similar in shape to the above. **Price 25c; postpaid 35c.**

PIONEER BRAND SEED CORN

FROM THE MISSOURI VALLEY IN NORTH DAKOTA

CORN LESSONS FROM 1933

With us here at Bismarck 1933 we believe marks the worst drouth period we have ever seen. We did, however, get some corn from our contract fields, although our supply we fear is short of what the demand will be. And, too, we learned some lessons that were greatly needed; not new things but forgotten ones, as to the hardiness, drouth resistance and general value of different sorts under severe conditions. **Gehu and Dakota**, planted early, gave a very good crop and were but little affected by the drouth. **Falconer produced more corn than any other kind which we had under observation**—Minnesota 13 and other straight dents made a fair yield of stalks but hardly any ears except in scattered favorable locations.

In other words, the miraculous change of climate has not developed yet, and there is no corn like our native varieties to produce under the conditions which are still with us. Oscar H. Will & Co. have originated practically all of those native and hardy sorts and are still headquarters for the best seed of the best strains.

JUST A LITTLE FIRST HAND TESTIMONY

I have a field that I raised a crop of your Mandan White Flour corn on last season without any rainfall and it surely was a life saver for my stock last fall as everything else dried out.

Bowbells, No. Dak., February 4th, 1933.

HARRY WHITE, R. 1, Bowbells, N. D.

There is a State Seed Corn Law requiring every sack of Seed Corn sold to have a tag upon it showing the State and County in which the Corn was grown. Insist that this information be given you with every bushel purchased!

SEED CORN IS OUR SPECIALTY

Our stock is all grown from seed of our own selection. We hand sort all Seed Corn and both before and after shelling and testing store it in warm, dry buildings. No better grade of Seed Corn can be produced anywhere. Remember, that we have bred and introduced practically all of the best varieties of Corn for the Northwest. You will find them in the following pages.

Every lot of Corn is tested by us after being shelled and before shipment. In a favorable year we aim to keep our test above 90 per cent; in a year when seed is scarce, above 80 per cent. Mistakes will occur in the warehouse sometimes. Always notify us at once of any mistake or cause for dissatisfaction and wait to hear from us before disposing of the goods. We are always glad to make things right.

Prices of Seed Corn include sacks, are f. o. b. here and subject to prior sale and change without notice

TEST ALL SEED CORN WHEREVER OBTAINED

WILL'S DAKOTA WHITE FLINT

The Earliest, Most
Drought Resistant,
Highest Yielding of
the Standard Early
Flints



Dakota White Flint

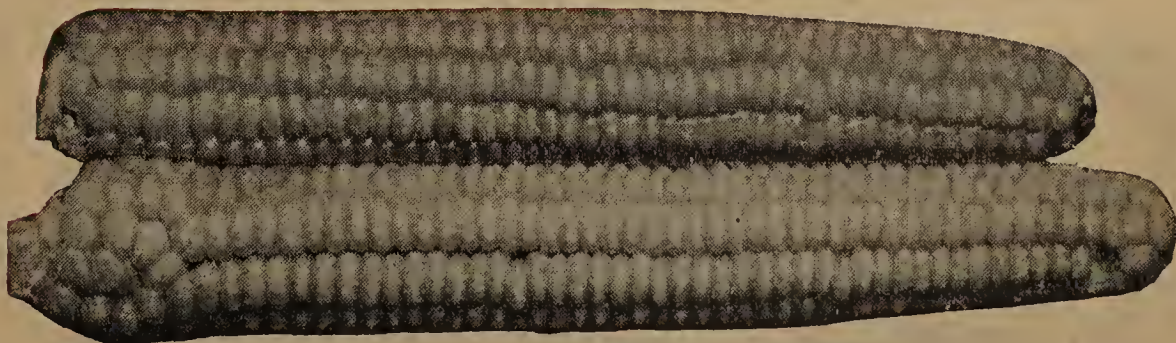
For the exceptional yields, there being many reports of fifty and sixty bushels to the acre for small fields and forty to fifty bushels per acre in fields of forty, fifty or more acres.

Dakota White Flint Corn matures with an unusually small moisture requirement and is the most frost resistant, and hail resistant of any known variety. Stalks are leafy and bushy in appearance, ears grow low on the stalk which attains a height of from four to six feet in a fair to good year, being somewhat shorter in dry seasons. A wonderful variety for feeding in the fields as there are no coarse stalks, and every bit of stalks as well as grain is consumed with gusto by stock.

Do not confuse Dakota with other white flints. The Dakota is a grain producer with a small cob. Other flints with tremendous cobs which shell out a very low percentage are sometimes offered as Dakota. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.40; bu., \$2.15; 5 bu. @ \$2.00.

SHOTA WHITE FLINT CORN

Upon which we have been working for a number of years, is a pure white flint with ears considerably longer than those of the Dakota, and kernels a trifle larger. It grows from 6 inches to 1 foot taller, and is about a week later. It produces quantities of fine feed as the main stalk is not heavy and there are many suckers. The ears grow well up from the ground. This variety is a cross made by us between a tall, rather late white flint from the Iroquois Indians of New York State, and our own Dakota White Flint. We feel that we have produced in SHOTA a new Corn of real value. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.50; bu., \$2.25; 5 bu. @ \$2.15.



Shota Flint

A Corn Handbook for the Northern Great Plains

Corn Growing, Corn Cultivation, Corn Harvesting, Seed, Etc.

This is a new book covering the subject of Corn in the Northwestern States and Western Canada. It is written in popular style, yet at the same time gives the scientific facts about Corn growing, seed selection and food values of varieties. Deals with the history of Corn in the Northwest, varieties and their particular uses, seed Corn selection and breeding, methods of planting, cultivating and harvesting, and the utilization of the crop, under the varying climatic conditions of the Great Plains.

Published by the Webb Publishing Co., written by George F. Will.

Price, here, 50c. Postpaid to any address, 60c.

A Copy of the Handbook Free with Each Seed Corn Order of \$10.00 or More Upon Request

Burleigh County Mixed or Dakota Squaw Corn

Hardy—Early—Heavy Yielding

This is a mixed form of the early flint and is the first variety listed by us after our business was started. It has retained its popularity through all the years since on account of its **extreme earliness**, and its **unusual hardiness and heavy yield**. It is very resistant to both drought and frost and fully as heavy a yielder as any variety of early flint. It is a flint Corn of mixed colors, yellow, white, blue and red predominating, ears long and slender, mostly eight-rowed.

This Corn shells out heavier than any other variety. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; ½ bu., \$1.25; bu., \$2.20; 5 bu. @ \$2.00.

Mandan King

The Heavy Yielding,
Long Eared Flint

A cross between King Philip Late Flint and the native Mandan Indian corn, this variety combines many of the good qualities of both, and surpasses in yield both parents. It is a somewhat late, **tall growing, leafy flint** which is a **tremendous yielder**, often bearing three ears to the stalk. Ears are long and slender, dark red to reddish yellow, stalks slender so that there is no waste. The amount of feed produced per acre is almost unbelievable. Postpaid, 1 lb., 30c. F. O. B. Bismarck, 10 lbs., 50c; ½ bu., \$1.25; 1 bu., \$2.30; 5 bu. @ \$2.20.

Assiniboine Flint Corn

From the Canadian Indians
—Earliest Type of Corn
Grown

This exceedingly early and hardy little Corn was secured by us from the Assiniboine Indians of Saskatchewan and has been raised there for decades. It is **one of the very earliest and hardest types of Corn in the world**. Ripens 10 days before the Gehu and Dakota, so has an especially useful place in **hogging off**. Yields only 15 to 20 bushels if checked in, but if drilled at the rate of 25 lbs. per acre will yield as high as 40 or 50 bushels per acre. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu. @ \$1.40; bu. @ \$2.40; 5 bu. @ \$2.25.

Mandan White Flour Corn

North Dakota Grown for 200 Years—Requires No Grinding—Wonderful for Hogging Off

Government tests have demonstrated that the **flour Corns** are actually even higher in feed value than the dents and are much more easily ground up and digested by stock than any other type of Corn. In response to an urgent demand we have grown a sufficient supply of the white flour Corn from the Mandan Indians to be able to supply it at reasonable prices for field purposes. This is as early as the early flints, a **very heavy yielder** of both fodder and ears, and certainly worthy of trial either for **hogging off or ripening**. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.50; bu., \$2.50; 5 bu. @ \$2.40.

Mercer Yellow Flint

The Tall, Leafy Silage Corn

Burleigh County
Mixed

This is the fourth time for many years that we have listed the Mercer Flint. There is, however, quite a demand for it from the eastern part of the state, especially for silage purposes. There is little waste in converting it to silage on account of the slender stalk. Rather late, but often ripens. About as sure as early strains of Minnesota No. 13. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; ½ bu., \$1.40; bu., \$2.50.

Mandan-Navajo

Yellow Flour
Corn

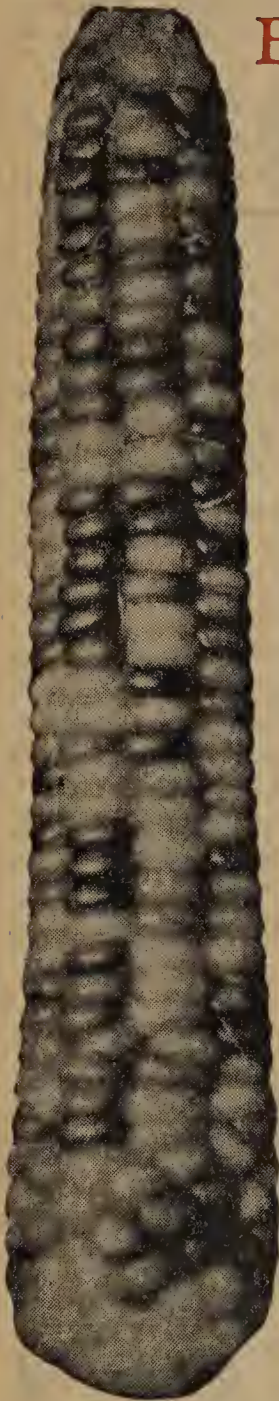
This is another hybrid similar to the Pride of the Plains, except that it is yellow instead of white, and therefore somewhat more attractive than the white. Drought resistant, leafy, large ears. Parents are Mandan Yellow Flour corn and yellow flour corn from the Navajo tribe of Arizona. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.50; bu., \$2.75.

Pride of the Plains

White
Flour Corn

The New Drought Resistant, Leafy, Heavy Yielding Hybrid. A medium early flour corn, with **exceptional drought resistant qualities**, and **wonderful silage and feed possibilities** on account of the length and number of its leaves, a quality peculiar to the desert corn of the Southwest which is one of its parents.

The ears are large and of **excellent feeding quality**. It is a selection from a cross made by us a number of years ago between the drought resistant corn of the Zuni Indians who live in the most arid sections of New Mexico in pueblos on the high mesas and the white flour corn from our own Ft. Berthold Indians. For drought resistance it should be planted unusually deep. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.50; bu., \$2.50; 5 bu. @ \$2.40.



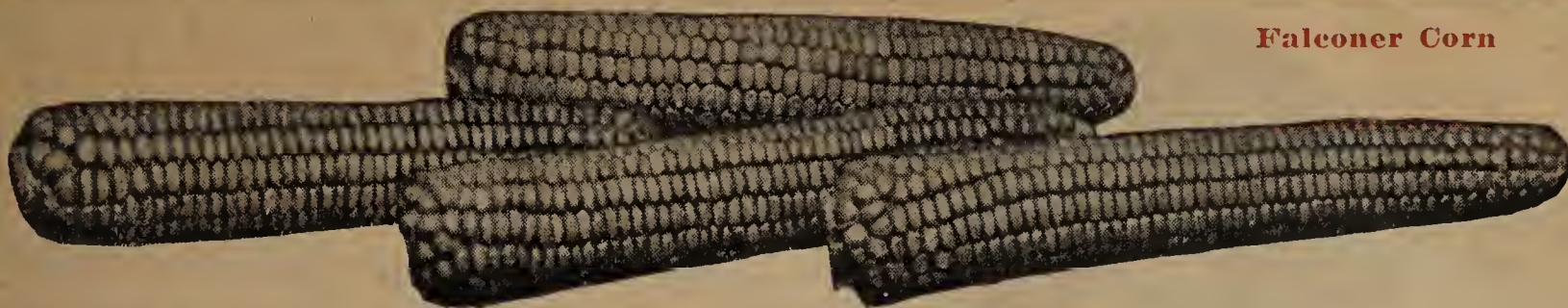
Mandan King



Mandan White Flour Corn



Pride of the Plains



Falconer Corn

Falconer Semi-Dent

Hardest Highest Yielding

Falconer Corn has now definitely come to be the principal variety of Corn over the whole Northwest, and its popularity continues to grow in ever-widening circles. We believe it to be the most popular Corn that we have ever introduced, and our sales of Falconer are very much the largest. Our continued careful selection of seed each year demonstrates its value, and there can be no quarrel with the statement that Falconer is the ideal type of Corn for drought, hail and cold resistance.

It has been growing in its first form for more than 45 years in Burleigh County, being a cross between the early native Indian flint and some yellow dent brought in by one of our pioneer settlers. Mr. Angus Falconer began many years ago to select it for uniformity of appearance, and our first stock came from him and was therefore named for him. It is **consistently over our section the best yielder** year in and year out of any sort, and while it is by no means as handsome as the pure dents it is very much more productive on the average. It is of a slightly uneven yellow color, ears are high enough to be easily cut with a corn binder, stalks are leafy and produce a high tonnage of edible feed. Cobs are white, ears 12- to 14-rowed, and from 8 to 10 inches long.

Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.15; 5 bu., \$2.00. Hybridized High Yielding Falconer, 10 lbs., \$1.00; $\frac{1}{2}$ bu., \$1.50; bu., \$2.65.

WILL'S GEHU YELLOW FLINT

The best known of our native early flints; might well be called the **universal Corn**. We have shipped it to every continent and have had fine reports from it in Scandinavia, Northern Russia, Ireland, Scotland, South Africa and South America. It has been carefully bred by us for nearly forty years and shows the effect of this breeding. Its **feeding qualities are the highest** of any variety of Corn, it is leafy and produces a tremendous amount of excellent fodder, since there is no heavy stalk, and every part of the plant is utilized. It is drought, frost and hail resistant to a wonderful extent in addition to its great earliness. In good soil and under favorable conditions it may be cut with a Corn binder. **Gehu is of a lemon-yellow color, ears mostly twelve-rowed, 7 to 10 inches in length.** Stalks 4 to 6 feet. Ears 10 to 15 inches from the ground. Hog raisers declare that hogs will fatten on Gehu at least a third faster than on any other Corn variety. This is said to be especially notable in hogging off when the hogs do not have access to alfalfa or sweet clover. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; $\frac{1}{2}$ bu., \$1.20; bu., \$2.00; 5 bu. @ \$1.90.



Will's Gehu Yellow Flint

Pioneer White Dent Corn

The Earliest, Hardest White Dent in Cultivation



Pioneer White Dent

Pioneer White Dent is perhaps the **surest pure dent variety that can be grown in the Northwest**, and is in addition the easiest dent to pick for those wishing only the grain crop.

It is perhaps even a little earlier than the Northwestern Dent, and cures much quicker, as the cob is smaller. The habit of growth is straight and tall, the ears are borne well up, and the production of ripe ears is very high.

Pioneer Dent is the result of our own breeding and selection from a white dent obtained

from Mr. B. F. Schuster of Wyndmere, N. D., twenty-five years ago, Corn which he had at that time raised for twenty years in North Dakota.

This Corn has never failed to produce some ripe Corn for us even in the worst years and has proved an unusual success in eastern Montana, where it is very popular.

The ears average 6 to 8 inches long, gently tapering, 14 to 16 rows of kernels which are white with occasional pink shading; cob mostly white; stalks 5 to 7 feet high; ears 2 feet from the ground. Lb., 30c; postpaid. F. O. B. Bismarck, 10 lbs., 50c; $\frac{1}{2}$ bu., \$1.25; 1 bu., \$2.25; 5 bu. @ \$2.10.

PAYNE'S WHITE DENT. Somewhat later than Pioneer, this selection of Rustler made many years ago in South Dakota has given very good results at the Great Plains Station at Mandan where it has been carefully selected and improved by Mr. Sarvis. Uniform and a good yielder. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; $\frac{1}{2}$ bu., \$1.75; bu., \$3.00.

CRIMMIN'S STRAIN RUSTLER DENT. This strain which has produced championship samples for the past several years at the State Corn Show and the International is an unusually fine and uniform selection made by Mr. David Crimmins of Hazelton, N. D., who is one of the outstanding corn growers in our state. It is said to have some Pioneer Dent blood which accounts for its drouth resistance. Lb., postpaid, 40c. F. O. B. Bismarck, 10 lbs., 60c; $\frac{1}{2}$ bu., \$1.75; bu., \$3.00.

Square Deal Yellow Dent

Earliest and Hardest of Yellow Dents

Square Deal was the first pure dent Corn introduced by us and still holds first place for earliness and hardiness in the Yellow Dent group. It was selected by Oscar H. Will and first grown in 1904. It is partial to a heavy, well watered soil and is not well adapted to light and dry locations.

Square Deal is a true yellow dent with a red cob. The ears grow six to eight inches in length and contain from 12 to 16 rows, the 12 row ears predominating. Stalks grow about seven feet, with the ears about two and one-half to three feet from the ground. It has the deepest kernel of any of the acclimated varieties, and although the ears are smaller than the Northwestern Dent, it shells at least 10 per cent more. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; ½ bu., \$1.25; bu., \$2.15; 5 bu. @ \$2.00.

**Square Deal
Yellow Dent**

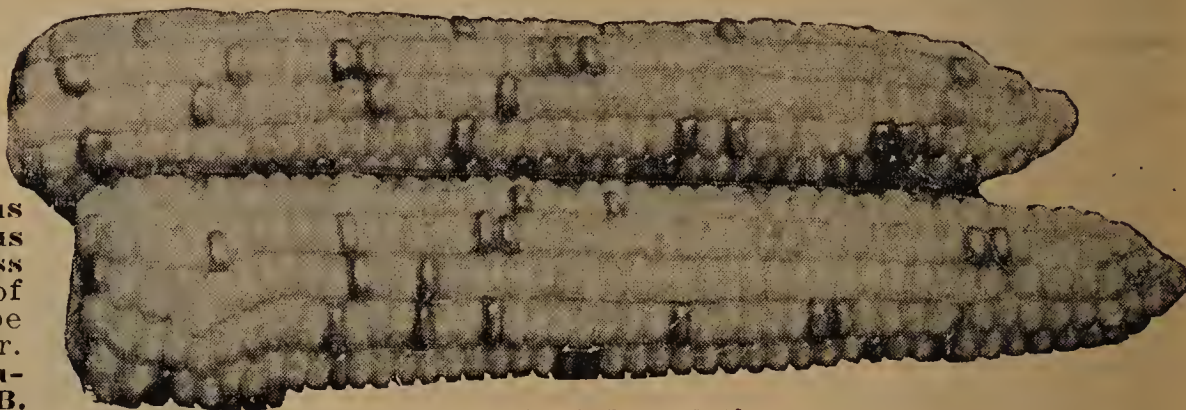


Rainbow Flint

for Fodder and Silage

RAINBOW FLINT (late S. D. strain). Rainbow seems to be definitely the best silage corn for the Northwest. Even this year, though it produced few ears, still it did make a wonderful lot of feed and silage. Good seed is very scarce this fall and we feel that we were fortunate to secure a supply. Postpaid, 1 lb., 30c. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.25; bu., \$2.25; 5 bu. @ \$2.10.

SARVIS STRAIN RAINBOW. We are more convinced than last year when we first introduced this strain of RAINBOW that it is the outstanding type for North Dakota, Montana and Canada. It has been selected by Mr. John Sarvis of the U. S. Great Plains Experiment Station at Mandan. It retains the tallness, leafiness and tremendous size of ears and possesses an earliness which makes sure a high quality of feed, although still late enough to be uncertain as a ripe ear producer. Most drouth resistant of all silage varieties. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., \$1.40; bu., \$2.50; 5 bu. @ \$2.40.



Rainbow Flint

4X FODDER CORN—TALL, LEAFY

The 4X is, we consider, the very best procurable fodder Corn for Northwestern conditions. We get this grown just far enough south so that the maximum quantity of fodder is produced and at the same time the stalks come near enough to maturity so that they are not all water. The best time to

cut Corn for fodder is when the kernels are just past the roasting ear stage. Sow or drill ten pounds to one-half bushel per acre, if planted in rows 3 to 4 feet apart; if broadcast, use about 2½ bushels. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 75c; bu., \$1.40; 5 bu. @ \$1.30.

ACME FODDER CORN

The Best Silage Corn for the Northwest

Acme fodder is a mixture of off type dent corn or of the local mixed strains or other early dents of which we may have an extra amount. Being a mixture it is ranker and more luxuriant in growth and a heavier producer. For this reason it is especially valuable for silage. It is easily handled with a binder and gives just about the right degree of maturity early enough for silo filling. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 85c; bu., \$1.60; 5 bu. @ \$1.50.

SWEET FODDER CORN

Wonderful Feed for Milch Cows

Sweet Fodder is coming to occupy a place of very high esteem as a feed for milch cows. Owing to the fact that its sugar content is so high it is a more concentrated feed than the ordinary Corn. It is likewise a heavy yielder as it is so bushy, and there are no heavy, coarse stalks which are usually waste. Prices are very reasonable this year. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.00.

INTERESTING AND UNUSUAL CORN VARIETIES FOR TRIAL

We know that many of our customers are interested in experimental work with Corn and in the observation of novel and little known sorts. We have therefore listed here a few of the many unusual types that we are constantly growing and observing, and we hope to present others each year.

Price, lb., postpaid, 40c, f. o. b. Bismarck, 5 lbs., 60c; 10 lbs., \$1.00.

ZUNI-PERUVIAN RED HYBRID. This is an interesting Corn, particularly on account of the very dark reddish purple color which in many of the plants dominates ear, cob, stalk and leaves. It has possibilities as an ornamental.

DAKOTA GOLD. A cross between Mandan yellow flour corn and Wisconsin Golden Glow.

MANDAN BLACK or PURPLE. One of the most interesting of the flour corn types from the Ft. Berthold Indians.

MANDAN YELLOW FLOUR. The "Mother" corn of the Mandan tribe and an excellent sort for hogging off, a good yielder.

WILD GOOSE CORN. This is a type of squaw corn which we have grown for trial and which seems to possess a great deal of vigor. Supposed to have originated from corn found in the crop of a wild goose, the source of which is of course unknown.

HOPI WHITE FLOUR. This is one of the distinctive sorts from the Pueblo Indians of the Southwest, which are the most drouth resistant varieties of which we know.

PAWNEE SWEET CORN. The original sweet variety grown by the Pawnee Indians in prehistoric times. A tall, late yellow variety with very leafy habit.

MANDAN YELLOW FLINT. Said by the Ft. Berthold Indians to be their very earliest and most cold resistant sort.

DAUPHIN FLINT. This is an extra early yellow flint developed Northwest of Winnipeg and especially cold resistant.

BEAR ISLAND. A large eared Squaw corn from the Chippewa of Northern Minnesota. Adapted to cool, moist conditions and very prolific.

SANTEE MIXED. This is a late corn, very tall and with perfectly tremendous sized ears. Probably the source type for Rainbow.

Will's Original Northwestern Dent

The original Northwestern Dent Corn, a history of which is given in Bulletin No. 107 of the Montana Experiment Station, was introduced by Oscar H. Will in 1896, and almost immediately attained great popularity over the whole Northwest. So much so in fact that corn of every type, color and description has since been sold under the name which we gave to this early red dent. Bloody Butcher and Calico from South Dakota and Nebraska have disappointed many a farmer who had bought them as Northwestern Dent, and found them too tall and too late to be of any value. The only safe plan therefore is to buy Will's Original Northwestern Dent from Oscar H. Will & Co.

Northwestern Dent has been in the past more extensively grown than any other variety in the Northwest. It is extremely hardy and will produce a crop when all other dents fail, owing to its frost and drought resistance. Our strain is the early one, from 5 to 7 ft. tall, and ripens in 80 to 90 days. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.25; 5 bu. @ \$2.15.

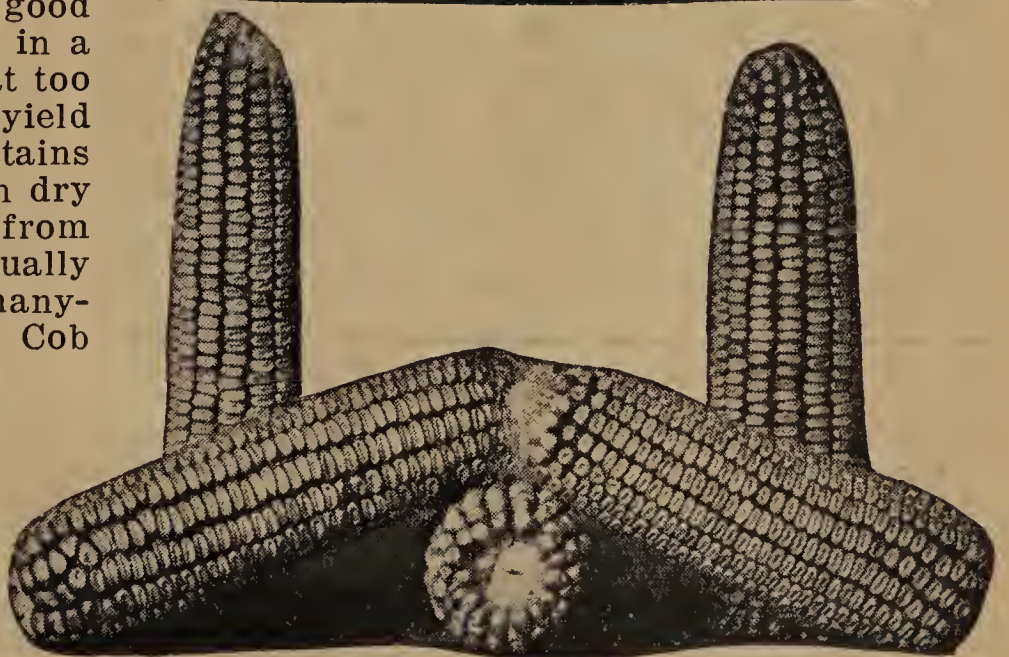
HYBRIDIZED NORTHWESTERN DENT. Latest corn breeding discoveries demonstrate that the heaviest yielding type of corn is a cross between two or more pure inbred strains. We have now carried such strains for 14 years and cross them each year to produce this very heavy yielding seed. Lb., 40c, postpaid. F. O. B. Bismarck, 10 lbs., 75c; $\frac{1}{2}$ bu., \$1.50; bu., \$2.75.



Northwestern Dent

Minnesota 13 Yellow Dent

MINNESOTA 13 is one of the most popular varieties of Corn for silage and fodder purposes in the Northwest. It is adapted, however, only to good soil and favorable conditions. It will mature in a favorable year, but is on the average somewhat too late for anything but feed in our climate. Its yield of fodder and silage is very heavy and it attains near enough to maturity so that there is much dry matter in the content. It grows to a height of from seven to nine feet, depending on the season, usually bears two large ears to a stalk, which are many-rowed, and of a beautiful rich yellow color. Cob is red. We have two strains, both extra early and adapted to the Northwest. Perhaps you may prefer one, perhaps the other, depending on your previous experience and local conditions. These two strains are the HANEY STRAIN and the BOYD MISSOURI SLOPE STRAIN. Specify which you wish. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.10; 5 bu. @ \$2.00.



Minnesota 13

Alta Yellow Dent

This is a medium late yellow dent resembling Minnesota 13 in appearance. About as early as Haney Strain 13 and our tests seem to show that it is better adapted to the drier sections of the Northwest than is the 13. It was produced by Professor Manley Champlin when at the S. D. Station at Highmore in the high plains region of that state. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.10; 5 bu. @ \$2.00.

NOTICE—These prices subject to change. Our blue price list issued once or twice each month gives latest prices and may be had on request.

NOTE ALSO THAT ALL PRICES INCLUDE COST OF SACKS.

We are marking our germination and purity tests on bulk shipments of seed grain, field seeds, and seed corn. These tests are arrived at by careful and scientific methods, and are as nearly exact as we can make them. It must be understood, however, that they are only for customer's guidance and are not a guarantee. Always make your own tests of seed grain and field seeds. Field seeds and grain are sold under the non-warranty clause on first inside cover.

SEED OATS

GOPHER. These are perhaps the best all around oat for North Dakota today and increase in popularity each year. Very early and at the same time very heavy yielding. A product of the Minn. Experiment Station. Lb., 20c, postpaid. F. O. B. Bismarck, ½ bu., 45c; bu., 70c; larger lots @ 65c.

SIXTY DAY. The earliest oat and hence ripens before wild oats; suited to dry conditions, and a good yielder. Lb., 20c, postpaid. F. O. B. Bismarck, ½ bu., 40c; bu., 65c; larger lots @ 60c.

RAINBOW. This is one of the newer varieties which has been very good in the lower and moister sections. Its chief value is its rust resistance. In this district it has not equalled Victory with which it classes as a mid-season variety. Postpaid, 1 lb., 20c. F. O. B. Bismarck, ½ bu., 50c; bu., 75c; larger lots @ 70c.

VICTORY. This is the standard mid-season oat and is of the Swedish Select type but somewhat improved. Very popular over the Northwest and a fine yielder. The grain is very plump and heavy. Lb., 20c, postpaid, F. O. B. Bismarck, ½ bu., 50c; bu., 75c; larger lots @ 70c.

GIANT AUSTRALIAN KIAMA. This is a very tall, heavy strawed new variety of side oats which shows some promise. Kernels are large. Yield so far very good, does not lodge. Price Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; ½ bu., 80c; bu., \$1.50.

HARD WHEATS

MARQUIS. Grown and selected for us from Canadian stock. We believe it to be unusually perfect stock. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 35c; ½ bu., 85c; bu., \$1.50.

CERES. This wheat is fast making a high place for itself. Drouth, rust and heat resistant, it was this year our best yielder. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 85c; bu., \$1.50.

DURUM or MACARONI WHEAT

KUBANKA. We have come to the conclusion that for general excellence in every way the Kubanka still holds first place. We have a wonderfully pure stock this year of excellent quality. We advise anyone who wants to get clean seed again to take this opportunity. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 35c; ½ bu., 90c; bu., \$1.50; 5 bu. @ \$1.45.

PROLIFIC SPRING RYE

This is a new spring rye which very much outyields the common sort, supply is limited and hard to locate. A very large type. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 40c; ½ bu., 90c; bu., \$1.60.

PRICES ON WINTER WHEAT AND RYE FURNISHED AFTER JULY 15TH.

SEED BARLEY

HANNCHEN. This is an excellent malting barley of the two row type. Two row barley seems to be best for the Great Plains portion of the Northwest and the Hannchen has been consistently the best yielding variety at the Dickinson Sub-Station for many years. We have a very fine stock. Lb., postpaid, 20c; ½ bu., 60c; bu., \$1.00; larger lots at 90c per bu.

TREBI. This is perhaps our heaviest yielding barley and the best for feed purposes. It is a strong growing six row variety which has given good results everywhere, but is not suitable for malting. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 45c; bu., \$1.00; larger lots at 90c.

WHITE HULLESS or BALD BEARDLESS. A very early, six row barley without beards and which threshes out of the straw like wheat. Very useful for hogging off, due to the lack of beards. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; 50 lbs., \$1.00; 100 lbs., \$1.80.

BEARDLESS. This is an early variety of six row barley which has no beards although it has the hulf. It is of especial value for hogging off both on account of earliness and on account of the lack of beards. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 60c; bu., \$1.00; larger lots @ 90c.

CHARLOTTETOWN NO. 80 BEARD SHEDDING. This barley is of the two row type which gives the highest average yields over most of the Northwest. It is of especially high quality and usually brings a premium. A large part of the beards fall off in the field before harvest. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 60c; bu., \$1.00; larger lots @ 90c.

N. D. R. NO. 2121. This is a rather new production of the N. D. Experiment Station. It is a selection of the Mansbury 6 row type which has been uniformly high yielding and of excellent quality. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 35c; ½ bu., 65c; bu., \$1.10.

WISCONSIN NO. 38. This is a new six row variety of very high malting quality and heavy yield in the sections where it has been tried. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; ½ bu., 65c; bu., \$1.10.

SEED FLAX

GOLDEN FLAX. Certified. The new high yielding, disease resisting variety that has given such excellent results in all recent trials. Supply very limited and we are fortunate to be able to offer it. Lb., 40c, postpaid. F. O. B. here, 10 lbs., 75c; ½ bu., \$2.50; bu., \$4.50.

BISON. This variety seems to be the most popular for several reasons. It is both wilt and rust resistant, it is large seeded and heavy yielding, very tall and bushy. Lb., 35c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; ½ bu., \$1.50; bu., \$2.50. Certified Blue Tag, bu., \$2.75.

CLEAN SEED FLAX. This is unpedigreed flax seed of good quality, suited for breaking planting. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 45c; ½ bu., \$1.25; bu., \$2.20.

SPELTZ OR EMMER

SEED SPELTZ or EMMER. This is the ordinary speltz grown throughout the state and without a pedigree. Fine horse, hog, poultry and cow feed. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; 1 bu., 80c; 100 lbs., \$1.90.

YAROSLAV EMMER or SPELTZ. This is a carefully selected special variety, of higher yield than the common. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 35c; 1 bu., 85c; 100 lbs., \$2.00.

PRICES INCLUDE SACKS

Prices include sacks, and are subject to market changes without notice.

Write for prices on large lots. In case of price advances, value will be sent. Get Our Special Price List, issued at intervals after January 15th.

Sudan Grass

Sow 6 to 20 lbs. per acre.

Perhaps the heaviest yielding of our annual hay crops. May be cut several times and furnishes excellent pasture for all livestock. Not injurious to any animal. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 50 lbs., \$4.00; 100 lbs., \$7.25.

Sorghums

EARLY AMBER CANE. This has come to be one of the most important fodder crops in the Northwest. Broadcast at the rate of 40 to 50 lbs., drill 20 to 30 lbs., or drill with a corn planter and cultivate at the rate of 6 to 10 lbs. Price, 1 lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.75.

WACONIA CANE. An early and very heavy producing cane developed in Minnesota in connection with the sorghum syrup industry. Coming into popular use for feed and silage also. Price lb., 20c, postpaid. F. O. B. here 10 lbs., 50c; 50 lbs., \$2.25; 100 lbs., \$4.00.

SELECTED DAKOTA AMBER. This is a selection from the South Dakota Great Plains Sta. which has been grown with exceptional results at the Mandan Station for several years by Mr. Sarvis. Our seed was obtained from there and we have only a limited amount which we grew ourselves. Price lb., postpaid, 25c. F. O. B. Bismarck, 10 lbs., \$1.25.

FETERITA. A close relative to Kaffir corn but earlier and better adapted to the Northwest; very drought resistant. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.25; 100 lbs., \$4.25.

Dwarf Essex Rape

Sow 6 to 10 lbs. per acre.

Very popular for hog and sheep pasture where soil is good and fairly well watered. Keeps growing out as it is eaten off and is not easily damaged by frost. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 50 lbs., \$4.00; 100 lbs., \$7.50.

Pioneer Brand Buckwheat

Sow $\frac{1}{2}$ to 1 bushel per acre, or 25 to 50 lbs.

SILVER HULL. This is the later, heavier yielding variety which is common in the East, and which is used so extensively there as a late crop, and as a smothering crop for land badly infested with weeds. Buckwheat is an excellent poultry food, a fact that is too little appreciated by most poultry raisers. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; 50 lbs., \$1.25; 100 lbs., \$2.25.

JAPANESE. The Japanese Buckwheat is the largest seeded variety grown, as well as the hardiest. It is a week earlier than the other sorts, stands up and produces a crop on poorer soil and is of good milling quality. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 30c; 50 lbs., \$1.25; 100 lbs., \$2.25.

Soy or Soja Beans

Sow 20 to 50 lbs.

We handle only the earliest and hardiest varieties, principally the Minnsoy and Wisconsin Early Black. Suited to warm soils only. Excellent for hay or silage. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; 50 lbs., \$2.50; 100 lbs., \$4.75.

Sunflower Seed

Valuable as a poultry and parrot food, as a food for human consumption often going under the name of Russian peanuts, and also for silage. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 50 lbs. or more @ 7c.

Hog or Proso Type Millets

EARLY FORTUNE or RED PROSO. This red form of the proso or hog millet type is in especial favor for mixture in poultry foods and many tons are imported every year for that purpose. One of the surest crops in the Northwest, and especially valuable as a grain crop for late planting. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 40c; 50 lbs., \$1.75; 100 lbs., \$2.90.

TURGHAI PROSO. We are exceedingly glad to be able to offer once more this very excellent variety of proso. We believe it to be the heaviest yielder of any proso, the earliest, and a tall growing, non-lodging variety as well. The seed is a rich, dark reddish brown in color, and of very beautiful appearance. Sells on the market at red proso prices. Very valuable as poultry feed for all kinds of stock, the straw also having unusually good feeding quality. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.25.

BROOM CORN or HOG MILLET. This is the most common of the millets grown for seed production. The seed is an excellent feed for hogs, cattle and poultry. It is said to be very good also as a breakfast food for human consumption. The seed has very high food value. A great drought resister. Color whitish yellow. Postpaid, lb., 20c. F. O. B. Bismarck, 10 lbs., 40c; 50 lbs., \$1.75; 100 lbs., \$3.00.

Hay Millets

SIBERIAN MILLET. This is the hardiest and most planted variety in the Northwest. Does not degenerate from planting northern seed as do some sorts. We supply either northern or southern grown, as they are of equal value. Lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.80.

WHITE WONDER MILLET. The White Wonder has come to be recognized as one of the very best hay millets for the Northwest. It is drought resistant with heavy foliage and broad leaves, producing an immense amount of excellent fodder. Its growth is very vigorous and it is one of the very heaviest yielding varieties. Due to its rapid growth it is a fine crop for smothering weeds on foul land. 1 lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.75.

SOUTHERN GROWN GERMAN MILLET. This is German millet, sometimes called Golden, raised in the latitude of Kansas and southern Nebraska from which region comes the German millet best adapted to our requirements in the Northwest. A wonderful producer of hay and exceedingly valuable as a food for dairy cattle, though the stalk is sometimes considered too coarse. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$2.25; 100 lbs., \$4.00.

HUNGARIAN MILLET. This variety is one of the best adapted to northern conditions of any sort. It is better suited to cooler weather than any other kind, and under such conditions will mature seed which does not degenerate as does the northern grown seed of some sorts. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 60c; 50 lbs., \$2.00; 100 lbs., \$3.80.

JAPANESE MILLET. This variety is of a different family from the others. It does best on heavy, moist soil where it will usually produce two cuttings or a great amount of pasture. It is better for horses than the ordinary sorts. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 75c; 50 lbs., \$3.00; 100 lbs., \$5.00.

Pioneer Brand Field Peas

NORTH DAKOTA GROWN EARLY CANADA FIELD PEAS. Field Peas are one of the most useful of crops. The straw is equal to clover hay, and the grain is one of the most nourishing of foods for all kinds of stock. In order to aid in harvesting it is recommended that they be sown with oats or Spring rye. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 90c; 50 lbs., \$3.50; 100 lbs., \$6.50.

WHITE MARROWFAT. Shorter than Canadian peas with a very large pea, also a bit later. A heavy yielder and a fine pea for human consumption. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 50 lbs., \$4.50; 100 lbs., \$7.50.

Will's Pioneer Brand Grass Seed

WILL'S EMERALD LAWN MIXTURE

Registered U. S. Pat. Office

The Emerald Mixture has been planted in North Dakota and the Northwest for 40 years, and beautiful lawns throughout the Northwest testify to its excellence.

This mixture contains no coarse seeds and is composed of the best varieties of the very best quality obtainable. Kentucky blue grass is the foundation of the mixture.

EMERALD is the finest and best mixture for the lawn that can receive proper care; accept no substitutes for it. Postpaid, 1 lb., 35c. F. O. B. Bismarck, 5 lbs., \$1.25; 10 lbs., \$2.25; 50 lbs., \$11.00; 100 lbs., \$20.00.

We include no white clover but can supply it to those desiring it at prices shown on page 56. 50c per lb., postpaid.



An "Emerald" Lawn

Use Red Top for Shady Lawns or Shady Spots—Use Crested Wheat Grass for Lawns Without Water

WILL'S DAKOTA LAWN MIXTURE

This is a utility mixture for those who do not wish to give the necessary care and attention for the fine lawn and yet want a nice appearing grass plot around the house, also useful for street boulevards and large public building grounds.

Made up of coarser and hardier grasses, it still requires some water. Clover may be used with it to advantage. Postpaid, 1 lb., 30c. F. O. B. Bismarck, 5 lbs., \$1.10; 10 lbs., \$2.00; 50 lbs., \$9.50; 100 lbs., \$18.00.

Directions for Sowing a Lawn

Only ground which has been broken at least a year and is mellow and easily worked should be seeded for a lawn. After spading up, pulverizing thoroughly and smoothing with a rake, the seed should be sown at the rate of one pound to two hundred square feet. Do not seed on a windy day as the light grass seed will quickly blow away. After seeding, rake in thoroughly with a double motion of the rake, forward and back. If a roller is available much better success will result if a good rolling is given after seeding. The prepared lawn should then be heavily soaked with water and not allowed to dry out until the grass is well up and the whole surface green.

All sorts of soils contain weed seed, and the black soil hauled on for lawns is often very weedy. Do not blame these weeds to the seedsmen who can furnish you with the official purity test of his seed.

CRESTED WHEAT GRASS. The newest and very best Grass for the Plains Regions. Crested Wheat Grass is an introduction by the Bureau of Plant Industry from the steppes region of Siberia. It is adapted to a rainfall under 13 inches. In comparison with slender wheat grass and brome grass it is a slightly heavier yielder of hay, producing from 1 to 1½ tons per acre. It becomes green in Spring even earlier than brome grass and stays green later in the Fall. Where the slender wheat grass will not spread to any extent, the crested wheat will spread widely and completely cover the ground. This is undoubtedly the most important grass introduction that we have for the general plains conditions. Absolutely cold hardy. Seed is very scarce this year. 1 lb., 40c, postpaid. F. O. B. Bismarck, 10 lbs., \$3.25; 50 lbs., \$14.00; 100 lbs., \$26.00.

WESTERN RYE or SLENDER WHEAT GRASS. Hardy, drought resistant, of good quality, a native variety. This grass is being increasingly grown in the Northwest and wherever tried gives the greatest satisfaction. It stands cutting better than the brome grass and the hay is better an account of its finer foliage. Postpaid, 1 lb., 30c; 5 lbs., \$1.00. F. O. B. Bismarck, 15 lbs., \$2.00; 50 lbs., \$6.50; 100 lbs., \$12.00.

MEADOW FESCUE or ENGLISH BLUE GRASS. This grass, while not as valuable as Bromus and Western Rye, is one of the earliest grasses for the Northwest. It also withstands severe cold very well. Also useful for a hay producer, growing to the height of three feet, and possessing very nutritious qualities. Sow 15 to 20 pounds per acre. 1 lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.75; 50 lbs., \$7.50; 100 lbs., \$14.00.

KENTUCKY BLUE GRASS. The foundation of hardy lawn grass. We handle nothing but the fancy, clean seed, the very best procurable, without regard to cost. Blue Grass is not valuable as a hay crop but makes good pasturage. It will stand considerable hardship, but should not be sown on high rolling prairie land in the Dakotas, as in such localities it is liable to be damaged in case the soil freezes up dry in the Fall. Sow 20 pounds per acre. Heavy weight seed. 1 lb., 35c, postpaid. F. O. B. Bismarck, 10 lbs., \$2.00; 50 lbs., \$9.50; 100 lbs., \$18.00.

REED CANARY GRASS or PHALARIS. This is a native of the low flooded sections of our Missouri River bottom lands and the sloughs of Minnesota. Will not stand heavy alkali. The best grass for wet spots that we have. 1 lb., postpaid, 80c; 5 lbs., F. O. B. here, \$3.25. Write for prices on larger lots.

BROME GRASS—BROMUS INERMIS (Austrian or Russian).

Brome Grass, which has come to be the most important tame grass for Northwestern conditions, is an exceedingly valuable pasture grass, especially for early Spring and late Fall, but produces only a rather poor quality of hay. For hardiness and general resistance to severe conditions, it is unequalled. A very large percentage of brome grass seed contains also seeds of the noxious quack grass. We urge, therefore, that you buy brome grass seed from reputable seedsmen within the state, whose seed has been inspected and passed on in the State Seed Laboratory. 1 lb., 30c, postpaid. F. O. B. Bismarck, 15 lbs., \$2.50; 50 lbs., \$8.00; 100 lbs., \$15.00.

PIONEER BRAND TIMOTHY SEED.

We offer only North Dakota grown Timothy seed which is from acclimated fields. Timothy is the best known and most extensively grown tame grass in the country. It is hardy grass so far as standing the Winters, but does not do well in a dry year or on poor soil. 1 lb., 20c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.00; 50 lbs., \$4.50; 100 lbs., \$8.00.

RED TOP or HERD'S GRASS.

Useful in the Northwest principally for seeding low moist spots, slough beds, basins, and any place where the water may stand at times. It is hardy in such places and will even grow where there is some alkali present. An excellent pasture grass as well as a hay producer. We handle only the fancy solid seed, of which only 4 to 5 pounds are required to the acre. 1 lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.75; 50 lbs., \$8.00; 100 lbs., \$15.00.

CREEPING BENT GRASS SEED.

This is very popular for lawn grass purposes and makes a wonderful lawn after it is once established. Must be planted and tended very carefully until it has made a small growth. Requires lots of water. We offer the highest grade of Oregon grown seed. 1 lb., postpaid, \$1.00. F. O. B. here, 10 lbs., \$8.00; larger lots @ 75c.

GREAT PLAINS PASTURE MIXTURE.

This is an item for which there seems to be an increasing demand. The mixture which we list is one recommended by Dr. Hansen at the N. D. Experiment Station. It consists of 6 lbs. brome grass, 4 lbs. crested wheat grass, 5 lbs. slender wheat grass, 3 lbs. yellow blossom sweet clover. 18 lbs. or enough for 1 acre, \$4.00; 100 lbs., \$20.00.

Pioneer Brand Alfalfa Seed

North Dakota Grades Are the Highest in the Country—Our Seed Is North Dakota Grown
We can furnish a free booklet on alfalfa growing on request.

CLOVER AND ALFALFA SEED PRICES SUBJECT TO CHANGE WITHOUT NOTICE—VALUE SENT IF PRICES ARE HIGHER—SACKS INCLUDED IN PRICES

REGISTERED N. D. GROWN AND CERTIFIED GRIMM.

Officially sealed and tagged

This is officially registered and certified seed from fields of Grimm which have been officially inspected and the seed officially graded, and whose pedigree is on file with a history of the field in the office of state authorities. Grimm still remains the favorite for hardiness and yield. If you wish to sell your seed at a premium, plant this seed. Blue tag lb., 40c, postpaid. F. O. B. here, 10 lbs., \$3.00; 50 lbs., \$13.00; 100 lbs., \$25.00.

NORTHWESTERN AFFIDAVIT GRIMM. This is genuine Grimm alfalfa which comes to us with the affidavit of the grower and the pedigree of the seed, but which is not registered and certified, and probably could not be. We do not recommend it to those who wish to grow seed, therefore, but to those who wish only to grow feed this affidavit Grimm represents a considerable saving in price. Lb., 30c, postpaid. F. O. B. here, 10 lbs., \$2.50; 50 lbs., \$11.00; 100 lbs., \$20.00.

NORTHWESTERN, SECOND GRADE. This is seed of less handsome appearance and not as high purity and germination as the best, but very satisfactory if seeded a little heavier. 10 lbs., \$1.50; 100 lbs., \$10.00.

NORTHWESTERN GROWN VARIEGATED ALFALFA. The fact has become pretty well established that only the strains of alfalfa with variegated flowers are hardy in the Northwest. Such strains are Grimm, Liscomb, Cossack, Baltic, etc. The seed which we offer under this head is seed from fields with variegated bloom but for which the grower has no pedigree. The mere fact of hardiness and variegated blossom proves that it belongs to one of the hardy strains. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$2.25; 50 lbs., \$9.50; 100 lbs., \$18.00.

REGISTERED N. D. GROWN COSSACK. This is an exceptionally hardy alfalfa brought from Siberia by Professor Hansen. It is a heavy yielder as well as being very cold and drought resistant. Very similar to Grimm in all respects as shown by our many years' trial. We are informed by ranchers of the Little Missouri Bad Lands that the Cossack is preferable to Grimm and a better yielder on the heavy clay or gumbo soil of that region. Each lot is lettered. Blue tag seed, lb., 40c, postpaid. F. O. B. here, 10 lbs., \$3.00; 50 lbs., \$14.00; 100 lbs., \$26.00.

AFFIDAVIT COSSACK ALFALFA. This is high quality seed from unregistered fields, but genuine Cossack and satisfactory for all purposes unless you wish to sell registered seed. Lb., 30c, postpaid. F. O. B. here, 10 lbs., \$2.60; 50 lbs., \$11.50; 100 lbs., \$21.00.

LADAK ALFALFA—THE LATEST ALFALFA SENSATION

LADAK is a variety originated in the very high, mountainous sections of India. It has proved, under Northwestern and Great Plains conditions, to be the hardest, most drouth resistant and heaviest yielding variety so far known. In addition it has con-

siderable wilt resistance. The supply is very limited; we offer not over ten pounds to a customer. Price, lb., postpaid, \$1.00; F. O. B. Bismarck, 1 lb., 90c; 5 lbs., \$5.00; 10 lbs., \$8.00.

Sweet Clover—for Pasture—Hay—Bees

Free Sweet Clover Booklet furnished on request.

YELLOW BLOSSOM SWEET CLOVER SEED. Outside the lower and heavier soil sections of the Northwest the Yellow Blossom variety seems to be better adapted than the white. Its advantages over the higher and drier sections are greater hardiness as regards a combination of cold and drought, finer quality of hay, a crown like alfalfa so that it may be cut as close to the ground as one wishes. We have a wonderfully fine stock of seed. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.10; 50 lbs., \$4.50; 100 lbs., \$8.00.

HUBAM or ANNUAL WHITE SWEET CLOVER. This has come to have an established place as a soiling crop, and even more so as a good annual hay crop which may be planted earlier than such crops as the sorghums. It is a heavy yielder, and while producing hay or excellent pasture it also adds fertility to the soil at the same time. 1 lb., 60c, postpaid. F. O. B. Bismarck, 10 lbs., \$5.00; write for price on larger lots.

LOW GRADE SWEET CLOVER. Lighter weight seed than the best and must be seeded thicker. Sample on request. Supply limited. 10 lbs., 50c; 100 lbs., \$5.00.

WHITE BLOSSOM BIENNIAL. The Tall, Late Sort that is in greatest demand if you wish to sell seed. This is the only kind used in Iowa and Illinois where 90 per cent of the seed from the Northwest is sold. Must be cut high for hay as it grows from the bases of the branches. 1 lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 90c; 50 lbs., \$4.00; 100 lbs., \$7.00.

GRUNDY COUNTY SWEET CLOVER. This is a white blossom strain which is nearly two weeks earlier than the ordinary sort and not quite as rank a grower. It is increasing in popularity principally on account of its earliness. 1 lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 90c; 50 lbs., \$4.00; 100 lbs., \$7.00.

MIXED SWEET CLOVER SEED. For sowing on land where a catch is desired without breaking and cultivating, for scattering on old pastures and waste lands this mixed seed may be used to advantage and with considerable saving. Prices, F. O. B. Bismarck, 10 lbs., 75c; 50 lbs., \$3.25; 100 lbs., \$6.00.



For your protection, every package of NITRAGIN bears the Expiration DATE, Legume Germ COUNT when packed, and the PRICE. Don't gamble with your Seed, Money, Time and Labor. Know what you are buying! Insist on NITRAGIN.

NITRAGIN INOCULATION PRICES

When ordering, always specify kind of seed.
For Postpaid Prices add 5c for 1/2 bu., 10c for 1 bu., 25c for 5 bu. sizes.

Alfalfa, all Clovers Lespedeza		Soy Beans, Cow Peas Lima Beans	
Size	Price	Size	Price
1/2 bu.	\$.35	1 bu.	\$.35
1 bu. ....	.65	2 bu. ....	.65
2 1/2 bu.	1.40	5 bu.	1.40
		10 bu.	2.45
Peas, Vetch, Beans, Austrian Winter Peas		Garden NITRAGIN for Peas, Beans, Sweet Peas and Lupines	
Size	Price	Can be used on any amount of seed, up to 8 lbs. Price 25c	
1/2 bu.	\$.35		
1 bu. ....	.50		
*1 2/3 bu. ....	.80		
5 bu.	2.25		
**"100 lb. size" packed only for Vetch and Peas.			

No addition to garden size price for mailing.

Pioneer Brand Clover Seed

WHITE DUTCH OR LAWN CLOVER

White clover is a hardy, low growing, perennial variety that is used in some sections for pasture, and is universally used for lawns, either alone or in combination with grasses. For lawn use seed 1 lb. to 300 square feet or mix with grass seed at the rate of 1 lb. to 5 lbs. of grass seed. Postpaid, 1 lb., 50c. F. O. B. Bismarck, 5 lbs., \$2.25; 10 lbs. @ 40c.

MEDIUM RED CLOVER

While we have hesitated about advocating the Medium Red Clover for North Dakota, yet there are unquestionably a great many localities in this state and eastern Montana where it can be raised with profit. Does best in well watered land with a fairly deep soil and good drainage. Be sure and get our extra hardy and vigorous North Dakota grown seed. 1 lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., \$2.25; 50 lbs., \$10.50; 100 lbs., \$20.00.

ALSIKE OR SWEDISH CLOVER

This clover is hardy and cold resistant, and is a very valuable pasture plant. It is low growing, and if sown for hay should be mixed with other clover, timothy or red top. Its chief value in the Northwest is for sowing in very wet spots where water stands at times and other clovers will not grow. 1 lb., 35c, postpaid. F. O. B. Bismarck, 10 lbs., \$2.50; 50 lbs., \$12.00; 100 lbs., \$22.00.

MAMMOTH RED CLOVER

This is similar to the medium Red but a heavier and ranker grower, an exceptionally valuable clover for pasture purposes. North Dakota grown seed. 1 lb., 35c, postpaid. F. O. B. Bismarck, 10 lbs., \$2.35; 50 lbs., \$11.00; 100 lbs., \$21.00.

Fertilizers for All Purposes

In this new country of rich soil the fertilizer question has been little considered, but as gardening, flower growing and vegetable raising increase, needs for special fertilizers are developing. Barnyard manure is excellent but requires time to release the plant food.

The three necessary elements in plant growth which are not always present in the soil are nitrogen, which stimulates luxurious growth; phosphorus, which has a tendency to force bearing and hasten maturity, and potash which stimulates growth, delays maturity of grains and grasses but hastens maturity in root crops. We offer these three elements separately below, nitrogen in the form of nitrate of soda and ammonia sulphate, phosphorus in the form of bone meal and superphosphate, potash in the form of muriate of potash. Good combinations for general use are 400 lbs. superphosphate and 200 lbs. each of nitrate of soda and muriate of potash per acre or 8 per cent phosphate, 5 per cent nitrogen and 7 per cent potash.

Superphosphate has given very good results in North Dakota in speeding up the maturity and improving the yield and quality of corn. In the heavier types of soil it has proven of especial value.

PULVERIZED SHEEP MANURE. This is by far the most concentrated of the cheaper fertilizers and is adapted especially for garden and lawn use, and for use in a larger way where the land is being used intensively. Sheep manure is a complete fertilizer and supplies every item which worn-out soil requires. Use from 5 to 10 lbs. per 100 square feet. Price, 10 lbs., 40c; 25 lbs., 50c; 50 lbs., 70c; 100 lbs., \$1.00; 500 lbs., \$4.75; 1000 lbs., \$9.50; ton, \$18.00.

SUPERPHOSPHATE. Phosphorus is said to be the element the most likely to be lacking in the prairie soils of the Northwest, and is not supplied in any form by applying vegetable matter by turning under or otherwise. Has given some startling results in experiments made in the Dakotas. Use one to two hundred pounds per acre. It may be broadcasted on. Price, 46% formula, 10 lbs., 50c; 50 lbs., \$2.20; 100 lbs., \$4.00. Write for quantity prices.

NITRATE OF SODA. The great growth stimulator, the best chemical agent in supplying the much needed nitrogen to deficient soils. Has a wonderful effect on lawn, garden or flowers. F. O. B. Bismarck, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 100 lbs., \$6.00.

MURIATE OF POTASH. Promotes growth, delays development and causes longer growing in grains, grasses, flowers, but stimulates both growth and maturity of root crops such as beets, carrots, etc. F. O. B. Bismarck, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.00.

AMMONIA SULPHATE. The Lawn Fertilizer. Also valuable for the garden or flower bed. A highly concentrated nitrogen fertilizer which acts very quickly. Use it on the lawn in the Spring at the rate of 3 lbs. per 1,000 square feet. Valuable also for trees and shrubbery. Price, 10-lb. bag, 75c; 100 lbs., \$5.75, F. O. B. Bismarck.

WESTERN BONE MEAL. (The great phosphorus supplier). Causes fruiting and blooming in reluctant plants, flowers, shrubs and trees; hastens maturity so promotes earliness when applied in the Spring. Especially useful to stimulate bloom in peonies. Lb., 25c, postpaid. By express or freight, 15 lbs., 80c; 100 lbs., \$4.25.

VIGORO

FEED EVERYTHING YOU GROW

with this complete,
balanced diet

VIGORO

Complete plant food



The Most Satisfactory All Round Fertilizer

Vigoro has been so well popularized, and so universally used in the past year that it hardly needs a description. It is a balanced compound of the best types of ingredients in proportions best suited to the ordinary plant needs. It is particularly adapted to use on the lawn, in the flower garden and on trees and shrubbery around the home. And it is equally valuable for the house plant and window box. Use 4 lbs. to 100 square feet. Comes in all handy sizes. Price 12 oz. pkg., postpaid, 17c. F. O. B. Bismarck, 12 oz. pkg., 10c; 5 lb. carton, 50c; 10 lb. carton, 85c; 25 lb. sack, \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Greenhouse Department

We offer lovely reasonably priced Cut Flowers at all times. Bouquets, flower baskets and floral designs for any occasion. Prompt shipments and deliveries

WE TELEGRAPH FLOWERS. We are members of the Florist Telegraph Delivery Association, more than 5,000 members all over the world. Guaranteed service to any place any time. This service is free with the exception of the telegraph and delivery charges. Flower orders for Christmas, Easter, Mother's Day and any other occasion will be forwarded by mail if received by us a week ahead of the date they are wanted.

EXPRESS. We recommend this service as faster, surer and safer than parcel post. Please examine all shipments on delivery, and if damaged or delayed, have the express agent make the proper notation on the receipt you will receive. We will be glad to enter claim for you, but must have the above receipt with notation of damage to establish the loss.

PARCEL POST. We list a postpaid price on all mailable articles and must ask that remittance be made at this rate if postal service is desired. All other prices are F. O. B. Bismarck, N. D. We cannot guarantee safe delivery of plants and flowers sent by parcel post and will not entertain claims for late or damaged delivery when sent this way.



Boston Fern

We list the finest and most desirable varieties of these attractive ornamental plants. Easy to grow and care for. Postpaid prices. 3 in., 30c; 4 in., 55c. Mailed in paper pots. We do not mail the larger sizes. F. O. B. here, 3 in., 25c; 4 in., 50c; 5 in., \$1.00; 6 in., \$1.50. Shipped in clay pots. **BOSTON** (Sword Fern). Very popular and satisfactory. Furnished in all sizes.

FERNS

WHITMANI. A handsome crested fern, with finer leaves and more compact than the Harrisonii and Boston. All sizes.

ASPARAGUS PLUMOSUS (Lace Fern). Lacy foliage and drooping fronds. Fine for jardiniere. 3 and 4-inch sizes only.

ASPARAGUS SPRENGERI (Feather Fern). Useful for window boxes, etc., both indoors and out. 3 and 4-inch sizes.

HOUSE PLANTS

Shipped in Clay Pots

BEGONIA. Gracilis everblooming type. Excellent house plants, also for garden planting in season. In 4-inch pots, 45c each; 65c, postpaid delivery. Furnished at any time.

Luminosa. Deep scarlet, reddish foliage.

Prima Donna. Lovely rose-pink, green leaves.

PELARGONIUM. Lucy Becker. Rose pink, very free bloomer. 4 in., 45c; postpaid delivery, 65c each. Season March 15 to May 15.

PRIMROSE. Obconica Type. A favorite everbloomer. Deep pink. 1 in., 60c each; 80c, postpaid delivery. Season October to May.

PHILODENDRON (Devils Ivy). A particularly "hardy" trailing vine for home, conservatory or store. Heart shaped leaves. Requires little light. In 3-inch pots, 50c each; 65c postpaid.

SANSEVIERA ZEYLANICA (Zebra Plant). A beautiful plant which does not take much light or water. A modernistic house plant. Leaves variegated white on green. 35c, 50c and \$1.00 each. Postage 20c on all sizes.

BEDDING PLANTS In Paper Pots

Strong healthy plants from 3-inch pots. Much stronger than the usual 2 1/2 inch plants and not to be compared with transplants. F. O. B. Bismarck, 10c each; \$1.00 per doz. Postpaid price, 15c each; \$1.40 per doz.

AGERATUM. Lovely light blue for borders and edgings. Dwarf.

COLEUS. Indispensable for borders and mass planting. Yellow, red and variegated. Also Trailing Queen for boxes.

GERMAN IVY. Bright green leaved vine. Fine for window and porch boxes.

LOBELIA. Compacta. Deepest blue, dark foliage. 4 inch. Speciosa. Trailing. For window boxes, etc. **Tenuior.** Large flowered dark blue. 16 inch.

PETUNIA. Single type. The leader for bedding.

Diener's Blue. Deep silky blue. Semi-dwarf.

Giant Pink Glory. Flame rose pink.

Theodosia. Deep Columbia pink, heavily ruffled.

SALVIA. Fiery red, free bloomer. Makes a fine showing.

SNAPDRAGON. Large flowered, medium height. Bronze, yellow, pink and red.

SWEET ALYSSUM. Low everblooming border plant. White

and lavender.

VERBENA. White, pink, deep cerise red and purple. Very desirable.

The following Plants and Vines from 3-inch pots. F. O. B. Bismarck, 20c each; \$2.00 per doz. Postpaid price, 25c each; \$2.50 per doz.

DAISY. Marguerite. Single white with yellow eye.

PETUNIAS. Prize Double. Fine plants in mixed colors. (See cut.)

GERANIUMS. Strong plants of the varieties listed below.

ENGLISH IVY. Dark green, for use indoors and outside. Much used for Ivy Balls.

VINCA VINES. The best for window boxes. Major—Dark green. Variegata—Light green and white foliage.

Exceptionally strong thrifty plants from 4-inch pots. F. O. B. here, 30c each; 3 for 85c; per doz., \$3.00. Postpaid, each, 38c; 3 for \$1.00; 12 for \$3.75.

CANNAS. Strong plants of all varieties listed under "Bulbs," next page.

GERANIUMS. Strong heavy plants.

Irvington Beauty. New rosy salmon pink. Improved Poitevine. Beautiful shrimp pink. **La Favorite.** Finest double white. **Red Barney.** Brilliant red. Free bloomer.

WILL'S GIANT BLOOM PANSIES. Sturdy free blooming transplants.

SINGLE PETUNIAS. Transplanted, mixed colors.

40c per doz.; 50 for \$1.50; 100 for \$2.75. Postpaid, 55c per doz.; \$3.50 per 100.

TRANSPLANTED BEDDING PLANTS

35c per doz.; 50 for \$1.15; \$2.00 per 100. Postpaid delivery price, 45c per doz.; \$2.75 per 100.

ASTERS. Wilt-resistant strains. Pink lavender, purple and red.

CALENDULAS. Golden yellow.

STOCKS. Double flowering pink and lavender. **SNAPDRAGON.** Bronze, yellow, pink and red.



Geranium



Double Fringed Petunia

BULBS and PERENNIALS for Fall Planting offered in WILL'S AUTUMN LIST issued in August every year. Send for your copy.

Will's Vegetable Plants

Plan to Plant
a Garden



Transplanted Cabbage Plants

Stocky plants, finely rooted, well hardened for you to plant in your garden with small loss.

We use first grade seed of the finest early varieties especially selected for the short growing season of the northwest, but can not furnish special strains. Will's prices on plants are very low for fine stock.

Potted Tomato, Pepper and Ground Cherry Plants start bearing early and pay very well indeed. Our plants are grown in three-inch pots and are much thriftier than the stunted stock from smaller pots offered by chain stores, peddlers, etc.

(Please note Parcel Post and Express instruction on page 57. When at all convenient, shipment of plants by express is recommended as the quickest and safest way.)

	POSTPAID			F. O. B. BISMARCK BY EXPRESS			
	12	50	100	12	50	100	1000
CABBAGE. Early Transplanted	\$0.30	\$1.00	\$1.75	\$0.20	\$0.75	\$1.35	\$10.00
CABBAGE. Late Transplanted .....	.30	1.00	1.75	.20	.75	1.35	10.00
CAULIFLOWER. Transplanted .....	.35	1.10	1.90	.25	.90	1.65	....
CELERY. Trans. Self-Blanching .....	.35	1.10	1.90	.25	.90	1.65	12.50
EGG PLANT. Trans. Early .....	.45	1.40	2.40	.35	1.15	2.00	....
GROUND CHERRY. Transplanted .....	.40	1.25	2.15	.30	1.00	1.75	....
GROUND CHERRY. Potted	1.00	3.25	...	.75	2.75	...	....
PEPPERS. Transplanted .....	.40	1.25	2.15	.30	1.00	1.75	15.00
PEPPERS. Potted	1.00	3.25	...	.75	2.75	4.75	....
TOMATOES. Transplanted .....	.40	1.25	2.15	.30	1.00	1.75	15.00
TOMATOES. Potted	1.00	3.25	...	.75	2.75	4.75	....
TOMATOES. Yellow Plum. Trans.....	.40	1.25	2.15	.30	1.00	1.75	....
SWEET POTATO PLANTS .....	.30	1.00	1.75	.20	.75	1.35	....



Potted Tomato Plant

Summer Flowering Bulbs

Complete cultural directions with each order. All bulbs priced delivered.

Cannas

These stand at the head of all bedding plants where a massed effect is desired. Growing in popularity. Strong dormant roots. **Each, 15c; 2 for 25c; \$1.25 per dozen.**

CITY OF PORTLAND. 3 to 4 feet tall. A most valuable variety of bright pink. Green foliage.

KING HUMBERT. 4 to 5 feet. The most popular Canna. Orange-scarlet flowers. Bronze foliage.

THE PRESIDENT. 3 to 4 feet. Immense glowing scarlet with green foliage. Best of its type.

YELLOW KING HUMBERT. 4 to 5 feet. Large orchid-like yellow blooms. Vermilion spots. Green leaves.

CANNA PLANTS. See under "Bedding Plants" on preceding page.

Dahlias

Dahlias are the most gorgeous of all summer flowers, both as color in your garden and as cut flowers for indoor decoration. The bulbs multiply rapidly and may be kept from year to year. Our list for 1934 is especially attractive combining the older favorites and some fine newer sorts, among them the two Dahlias, Jane Cowl and Jersey Beauty, which were featured at the Century of Progress in Chicago last summer. Strong, clean tubers at attractive prices. Each bulb stamped with variety number to prevent mixing. Packed separately in sawdust and wrapped in parchment paper to reach our customers in the best possible condition.

JANE COWL. The most popular autumn tint decorative. Can be grown to 15 inches and larger. Fine for garden and cutting. **Each, 50c; 3 for \$1.25.**

JERSEY BEAUTY. Large clear pink decorative. Always first in every list whether for garden or exhibition purposes. **35c each; 3 for 90c.**

JERSEY BEACON. Mammoth Chinese scarlet and buff decorative; makes a splendid showing. **40c each; 3 for \$1.00.**

E. T. BEDFORD. One of the newest decoratives of giant size. Color rich purple with white suffusion. **40c each; 3 for \$1.00.**

DAHLIA COLLECTION NUMBER ONE. One bulb each of the above four Dahlia leaders; **value when ordered separately, \$1.65; for \$1.20, delivered.**

JUDGE MAREAN. Early and profuse blooming, large orange and red decorative type. **Each, 35c; 3 for 90c.**

DREER'S WHITE. Show or ball type. Early, pure glistening white. **20c each; 3 for 50c.**

ELIZABETH SLOCUM. (Dec.) Rich purplish crimson. Large flower; profuse bloomer. **22c each; 3 for 55c.**

MINA BURGLE. (Dec.) Perfect flowers on long wiry stem. Color glowing brilliant scarlet; a favorite. **25c each; 3 for 65c.**

YELLOW COLOSSE. (Dec.) Lovely yellow with many blooms. **20c each; 3 for 50c.**

ETENARD de LYON. (Cactus.) Lovely purple lavender. Excellent free bloomer. **25c each; 3 for 65c.**

DAHLIA COLLECTION NUMBER TWO. One tuber of each of the above six varieties—**value when ordered separately, \$1.47; for \$1.00, delivered.**

LAURA MORRIS. Best giant flowering deep yellow decorative. As large as any of the giant exhibition dahlias and a most attractive color. **50c each; 3 for \$1.25.**



SPECIAL OFFER. ONE LAURA MORRIS DAHLIA FREE WITH ORDERS FOR BOTH OF THE DAHLIA COLLECTIONS, IF TO BE MAILED TO ONE ADDRESS.

CAPITAL DAHLIA MIXTURE

This bargain price assortment is not grown as a mixture but is made up of choice named sorts of all types and colors which have gotten mixed in handling and includes some of the finest sorts. **Only 55c for 6; 12 for \$1.00, delivered.**

BETTER GLADIOLUS

THESE wonderful flowers gain in favor every year for border planting, garden decoration and as long lasting cut flowers. The modern gladiolus cannot be equalled. "Glads" prosper in almost any soil and climate, reproducing rapidly, and are nearly insect proof. Our Gladiolus are young, high crowned, and vigorous, free from harmful diseases, scab and thrips. Will's offerings for 1934 includes most of the newer prize winners from the latest A. G. S. report of favorites. Large size healthy bulbs at the lowest prices.

ALL BULB PRICES INCLUDE DELIVERY.

Not less than 6 at dozen prices. A. G. S. cultural directions with each order.

SPECIAL NOTICE. Varieties marked * before descriptions are included in our "Aristocrat" Offer of Prizewinners at a bargain price. This treat for your garden should be included in every order. See next column.

PICARDY. The wonder Salmon Pink Glad. Superior to all in its beauty and show points. Florets 6 to 6½ inches and up to seven open. Reproduces rapidly. Fine placement, strong stalks. Large bulbs. 40c each; 3 for \$1.00; 12 for \$3.00.

(*) **AFLAME.** Giant silvery flame red. Best in its class. 3 for 27c; 12 for 81c; 25 for \$1.50.

AIDA Rich deep violet blue with reddish blotch. Large, early. A favorite. 14c each; 3 for 40c; 12 for \$1.26.

AVE MARIA. Splendid light blue. 8 to 10 large blooms; early, well placed. 14c each; 3 for 40c; 12 for \$1.26.

A. V. BUNCE. P. G. type. Rich orange with red pencilings. 3 for 18c; 12 for 54c; 25 for 90c.

(*) **BETTY NUTHALL.** Coral pink with pale yellow throat. A marvelous spike and flower. 3 for 30c; 12 for 90c; 25 for \$1.65.

(*) **CATHERINE COLEMAN.** Salmon-pink with small blotch. Tall spike, long flower head. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **CHARLES DICKENS.** Radiant purple, many very large florets, good spike. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **COMMANDER KOEHL.** Immense dark scarlet of glowing brilliancy. A sensation and prize winner everywhere shown. 23c each; 3 for 65c; 12 for \$2.00.

COPPER BRONZE. Very attractive old copper and bronze. 3 for 18c; 12 for 54c; 25 for 90c.

(*) **DR. F. E. BENNETT.** Brilliant scarlet with large florets. Very popular. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **DR. MOODY.** Large lavender; early. Highly admired. 3 for 27c; 12 for 81c; 25 for \$1.50.

(*) **EMILE AUBRUN.** Smoky rose-red, ruby glow in throat, bronze overcast. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **GIANT NYMPH.** Massive pure light pink. One of the best. 3 for 18c; 12 for 54c; 25 for 90c.

(*) **GOLDEN DREAM.** Tall, deep yellow, long flower head, recurved petals. The most popular yellow. 3 for 18c; 12 for 54c; 25 for 90c.

JANE ADDAMS. Very large velvety lavender blooms, cream throat. 3 for 30c; 12 for 90c; 25 for \$1.65.

JOERG'S WHITE. Immense creamy white. A real beauty. 14c each; 3 for 40c; 12 for \$1.26.

LA PALOMA. An early brilliant orange. Very gay and attractive. 18c each; 3 for 50c; 12 for \$1.62.

LAVENDER BRIDE. A sparkling lavender-grey. Large, fine placement; early. 3 for 30c; 12 for 90c; 25 for \$1.65.

(*) **MARMORA.** A gigantic smoky lavender with plum colored throat. Many blooms open, good spike. 3 for 24c; 12 for 72c; 25 for \$1.30.

MARY JANE. Light silvery lavender. 3 for 30c; 12 for 90c; 25 for \$1.65.

(*) **MRS. F. C. HORNBERGER.** Fine exhibition white. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **MINUET.** Tall, straight, beautiful lavender. The best in its color. 3 for 24c; 12 for 72c; 25 for \$1.30.

MAROCCO. Deep rich dark red. Buds almost black. Outstanding. 14c each; 3 for 40c; 12 for \$1.26.

(*) **MRS. F. C. PETERS.** Rich lavender with blotch. Popular. 3 for 18c; 12 for 54c; 25 for 90c.

MRS. LEON DOUGLAS. The giant gladiolus. Flame pink. Wins prizes always. 3 for 18c; 12 for 54c; 25 for 90c.

(*) **MRS. S. A. ERREY.** Large wide open florets of bright orange, deeper blotch. 3 for 27c; 12 for 81c; 25 for \$1.50.

(*) **MRS. P. W. SISSON.** Lovely cameo pink. Perfect placement. 3 for 21c; 12 for 63c; 25 for \$1.10.

MRS. VAN KONYNENBURG. Outstanding tall straight blue-lavender. 3 for 27c; 12 for 81c; 25 for \$1.50.

MOTHER MACHREE. An iris-like smoky of salmon and grey lavender. Recommended. 27c each; 3 for 75c; 12 for \$2.40.

OUR SELECTION. A smoky salmon pink flecked steel grey. Throat marked red and yellow. Extra large flowers on long spike. 20c each; 3 for 55c; 12 for \$1.90.

PEARL OF CALIFORNIA. Beautiful LaFrance pink. Fine placement and many open. 3 for 30c; 12 for 90c; 25 for \$1.65.

(*) **PFITZER'S TRIUMPH.** Very large salmon scarlet. Many florets open. The most popular red. 3 for 30c; 12 for 90c; 25 for \$1.65.

(*) **PRIMROSE PRINCESS.** Tall spike of Primrose Yellow. Worthwhile. 3 for 27c; 12 for 81c; 25 for \$1.50.

(*) **PURPLE GLORY.** Large rich dark purple-maroon, ruffled. Much admired. 3 for 21c; 12 for 63c; 25 for \$1.10.

RUFFLED GOLD. Highly ruffled golden yellow of fine form. 3 for 27c; 12 for 81c; 25 for \$1.50.

SARABAND. Large smoky mulberry shade, very rich. 3 for 21c; 12 for 63c; 25 for \$1.10.

(*) **VEILCHENBLAU.** The standard dark blue violet, good spike. 11c each; 12 for 99c; 25 for \$1.87.



Picardy

\$1.25 WILL'S ARISTOCRAT \$1.25 GLAD OFFER

See inside back cover for picture.

A well-balanced selection of twenty of the fine named Glads offered on this page. All prize winners and a sure way to Glad success at a low cost. Separately bagged and labelled. One large bulb of each of the twenty varieties marked with a star (*); a \$1.74 value, in this collection for \$1.25; 3 collections for \$3.50.

WILL'S PIONEER GLADIOLUS MIXTURE

A really fine assortment of color in Gladiolus. We improve this group each year, adding new colors and types constantly. Large size, strong, clean bulbs. 30c per doz.; 45 for \$1.00; 100 for \$2.00.

WILL'S ECONOMY SELECTION OF FINEST MIXED GLADIOLUS

Strong, blooming size bulbs of glorious Gladiolus in a grand assortment of colors. These will bloom from one to two weeks later than those offered above. 65 for \$1.00; 100 for \$1.45; 1,000 for \$12.50.

MADEIRA VINE BULBS

Large dry bulbs of this popular climber. 12c each; 3 for 30c; \$1.00 per doz.

Pioneer Nursery of the Northwest

BISMARCK NURSERY (ESTABLISHED 1882)

Oldest Nursery in North Dakota—Member American Association of Nurserymen

NOTICE TO CUSTOMERS: READ CAREFULLY. We use our utmost endeavors to see that all stock shipped out is true to name and of the quality represented or better. In event that goods upon receipt prove to be wrongly marked or inferior we shall be glad to refund customer's money or replace the stock as he may elect. We are not responsible for damage to goods in transit, therefore you must examine at the express or freight office, and have any damage noted upon your express or freight receipt. We are always glad to replace goods injured in transit, providing receipt showing damage is returned to us so that we may enter claim and reimburse ourselves.

We do not guarantee safe delivery of mail orders but pack them just as well as we possibly can, and they are nearly always delivered in good condition.

Special Nursery Premium. With every twenty-dollar order for nursery stock we offer free one year's membership in the North Dakota Horticultural Society. This includes receipt of the monthly bulletin, and free plant premiums.

REPLACEMENT. If stock arrives in good condition and our planting instructions are followed, we are willing to replace once any stock lost, at half price.

CURRENTS AND GOOSEBERRIES are subject to certain restrictions in countries where 5-leaved pines grow, and we do not ship into such territory.

TREES BY MAIL. We can ship parcels up to 70 pounds. Where postage is not included, we will send stock C. O. D. to cover postage, you paying postage on receipt of trees.

FALL PLANTING. Peonies and other perennial flowers do exceptionally well when planted in Fall. Ask for special **Fall Price List.** Can also supply trees, shrubs, etc., at current catalog prices in Fall.

PLANTING INSTRUCTIONS. Complete planting instructions will be enclosed with each order of nursery stock when shipped.

SHIPPING. Orders will be forwarded at our discretion and when we can ship. Orders are not taken for shipment on any special date unless specifically so acknowledged. Express is the safest and quickest way to ship. Prices are F. O. B. here, customers paying transportation unless postpaid prices are definitely quoted.

CANADIAN ORDERS must go by freight or express, and must be received by us before May 1st. Permit number must accompany order.

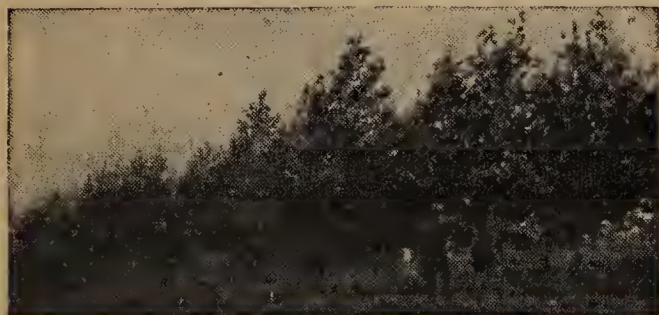
VISITORS WELCOME. We are always glad to conduct you personally through our nurseries and orchard. Call at office on Fourth street, or go south on Seventh street, which will bring you into the nurseries.

CERTIFICATE OF EXAMINATION. Our nurseries are inspected annually by the State Horticulturist and his certificate accompanies each shipment.

Trees for Shade and Shelter Belt

Customer Pays Transportation Except Where Marked Postpaid.

Our list of trees is hardy for the Northwest but for farm planting and dry conditions it is wise to stick to the old standbys, cottonwood, box elder and ash, with a few of the introduced sorts of tested value such as Siberian Pea or Caragana and Russian Olive. With these may be safely mixed Buffalo Berry and Diamond Willow under some conditions.



3 Year Old Cottonwoods

NORTH DAKOTA COTTONWOOD—POPULUS DELTOIDES. The foundation of prairie tree culture in North Dakota, and the backbone of all the many groves which dot our state. The most rapid grower and freest from disease of any of the poplar family, once more the cottonwood is coming into its own and is in increasing demand. We have been headquarters for this tree for 50 years. Valuable for its quick growth both for shelter and wood, and it will produce successive crops of fuel if properly handled.

Collected Seedlings: 6 to 10 in., 100, 50c; 500, \$2.00; 1,000, \$3.50. 10 to 20 in., 100, 75c; 500, \$2.50; 1,000, \$4.50. 20 to 30 in., 100, \$1.00; 500, \$3.50; 1,000, \$6.00.

Nursery-Grown Transplanted: 3 to 4 feet, each, 12c; 10, 90c; 100, \$7.00. 4 to 6 feet, each, 18c; 10, \$1.40; 100, \$12.00. 6 to 8 feet, each, 24c; 10, \$2.00; 100, \$18.00. 8 to 10 feet, each, 35c; 10, \$3.00; 100, \$25.00.

BOX ELDER or MANITOBA MAPLE. The only representative of the maple family native to our state, and an old favorite for street and yard planting and to thicken up a windbreak. Hardy, long-lived, can be trimmed to make a very symmetrical shade tree. 5 at 10 rates. 50 at 100 rates.

Seedlings: 6 to 12 in., 100, 70c; 500, \$3.00; 1,000, \$4.50. 3 to 4 ft., each, 12c; 10, \$1.00; 100, \$8.00. 4 to 6 ft., each, 15c; 10, \$1.40; 100, \$13.00. 6 to 8 ft., each, 25c; 10, \$2.30; 100, \$21.50. 8 to 10 ft., each, 50c.

GREEN ASH. Is one of our native trees and has come to be regarded as the very hardiest tree under all conditions that can be planted. It is drought resistant, alkali resistant, and insect resistant. The only injury to which it is at all subject is the borer, and the damage from that is rather overestimated.

	100	500	1000
6-12 in. ...	\$0.85	\$3.25	\$6.00
Each	10	100	
3-4 feet...	\$0.15	\$1.40	\$12.00
4-6 feet...	.25	2.00	18.00
6-8 feet...	.35	3.00	25.00



A Box Elder Shade Tree

Total Value
\$11.50
Special Price
\$9.00

BARGAIN SHELTER BELT COLLECTION

Will plant 4 rows of shelter belt, each 1000 feet long.

100 Ash, 6 to 12 inches. (\$5c.)	200 Caragana or Siberian Pea, 12 to 18 inches. (\$6.00.)
100 Chinese Elm, 6 to 12 inches. (\$1.75.)	
200 Native Cottonwood, 10 to 20 inches. (\$1.50.)	200 Box Elder, 6 to 12 inches. (\$1.40.)

Total Value
\$11.50
Special Price
\$9.00

**Chinese Elm**

zards, hot winds, drought and the like that it had not withstood for centuries before a white man ever saw it. This is one of the most attractive Evergreens and without exception the easiest to transplant. Price, each, 12 to 18 in., \$1.00; 18 to 24 in., \$2.25.

COTTONLESS COTTONWOOD. Several years ago, in company with Mr. Robert Wilson of the Great Plains Station at Mandan we made a selection of male trees at our nursery which we then cut back in order to force them to produce cutting wood. From those trees we have been propagating so that we are now able to list cottonwood trees which will produce no cotton. 3 to 4 ft., each, 15c; 10, \$1.25; 4 to 6 ft., each, 25c; 10, \$2.25.

CHINESE OR SIBERIAN ELM (*Ulmus pumila*). Most drought resistant tree we have and of very rapid growth. Is best planted on well drained soil where it gives wonderful results. Do not plant in heavy, soggy soil. A fast growing handsome tree for farm planting, but should be kept trimmed as it is quite brittle. Its exact value for all purposes is not yet determined completely, but it is enjoying a tremendous popularity which seems to be deserved. 12 to 18 in. seedlings, per 100, \$2.00; 3 to 4 ft., each, 25c; doz., \$2.50; 4 to 6 ft., each, 50c; doz., \$5.00; 6 to 8 ft., each, 70c; doz., \$7.00; 8 to 10 ft., each, \$1.25.

HARDY EVERGREENS for the Northwest

Evergreens listed below sent by freight or express only—all balled and burlapped Nursery Grown, Transplanted Stock

BLACK HILLS SPRUCE. This is a sub-variety of the White Spruce, but is much hardier. It has been growing in the Black Hills since glacial days and there is nothing in the way of blizzards, hot winds, drought and the like that it had not withstood for centuries before a white man ever saw it. This is one of the most attractive Evergreens and without exception the easiest to transplant. Price, each, 12 to 18 in., \$1.00; 18 to 24 in., \$2.25.

**Farm Windbreak of Black Hills Spruce**

SCOTCH PINE—PINUS SYLVESTRIS. A fast growing, long-leaved pine from northern Europe, which has demonstrated its hardiness over much of our section and is giving a good account of itself in a number of old plantings. Price, each, 18 to 24 in., 75c; 3 to 4 ft., \$2.00.

NORTH DAKOTA BAD LANDS CEDAR—JUNIPERUS SCOPULORUM. This is our native type of red cedar, which is of more upright or columnar habit and of a more handsome bluish color than the common kind, as well as being the hardiest of its family. Our stock is all collected in the Bad Lands, grown and established at our nursery and sent out balled and burlapped. 18-24 in., each, \$2.00; 2 to 3 ft., \$3.00.

NORTH DAKOTA BULL PINE—PINUS SCOPULORUM. This is a native Pine of the North Dakota Bad Lands, and the acme of hardiness. It makes a handsome, stocky tree, beautiful the year round with its long dark green needles. We have a limited number of the specimen trees to which we call your attention. We sold a number for park purposes last year and the results have been wonderful. 12 to 18 in. each, \$1.00; 6 to 8 ft., each, \$10.00.

SELECTED COLORADO BLUE SPRUCE—PICEA PUNGENS. An elegant Colorado species with long, feathery leaves of rich steel blue. Perfectly hardy anywhere in the Northwest. 12-18 in., \$2.00; 18-24 in., \$4.00.

JACK PINE. Fast growing, shorter leaved pine of Minnesota. Does well in sandy soil but not in heavy soil. 18 to 24 in., each, 90c.

CREeping JUNIPER—JUNIPERUS HORIZONTALIS. This is the lovely evergreen ground cover which we admire so much as it grows on the very tops of the Bad Lands Buttes and the Killdeer Mountains. Healthy rooted clumps, each, \$1.50.

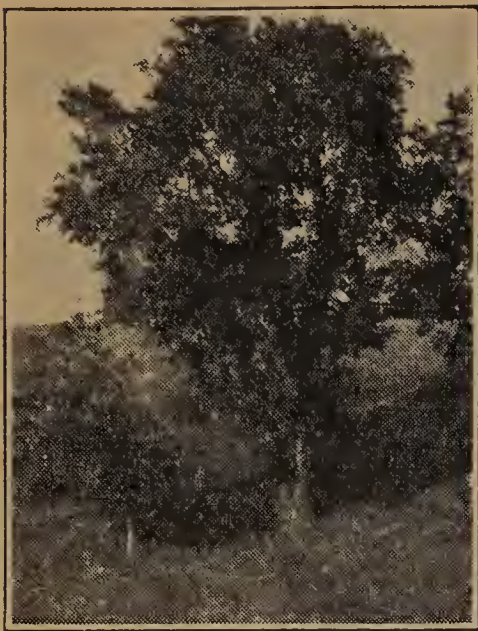
BUSH JUNIPER—JUNIPERUS COMMUNIS. This is the native Juniper bush which is of very great value for foundation plantings and formal evergreen groups. Its maximum height is not over 3 feet with spread usually twice as great or more. Hardy and of handsome bluish green shaded to reddish in winter. Each, about 12 to 18 inches high, \$2.00.

**Scotch Pine**

BLACK HILLS SPRUCE SEEDLINGS—By Mail or Express

This is the only variety of Evergreen seedlings which we feel can be offered our customers with safety, as this is the hardiest of all the Evergreens and we are positive that these will give the highest degree of satisfaction. We have bought a supply of seedlings again this year, ready for Spring shipment. Seedlings come 100 per bunch, so do not order less, as we positively will not break bunches. Package of 100, not prepaid, 4 to 6 inches, \$2.75; postpaid, \$3.00.

Other Deciduous Trees



N. D. Native American Elm

characteristics between the Northwest poplar and the Balm of Gilead and we are offering it to take the place of the latter. This new poplar is less subject to canker, less brittle and of better shape than the common Balm of Gilead. 4 to 6 ft., each 30c; 10, \$2.50.



Silver Poplar

strain of these fine trees. Our stock has been grown in our own nursery from seedlings of Minnesota origin and has survived perfectly with us. 3 to 4 ft. trees, each, \$1.00.

EUROPEAN MOUNTAIN ASH or ROANTREE —

SORBUS AUCUPARIA. A very handsome hardy tree. The head is dense and regular, and very attractive when in bloom. From July until Winter these trees are covered with great clusters of bright red berries. A very choice ornamental tree. Special price, 4 to 5 ft. trees, each, 60c; 10, \$5.50.

HACKBERRY. This is a native tree of handsome appearance somewhat resembling the elm. Rough bark, very hard wood. Makes a very fine street and lawn tree. 3 to 4 ft., each, 30c; 10, \$2.50.

CUT LEAF WEEPING BIRCH. This is one of our most beautiful ornamental trees, but has been rather difficult to start. We believe, however, that we have solved this difficulty by handling them somewhat like evergreens and selling them balled in moss. We have some splendid stock. Price, each, \$1.00.

GINNALA or AMUR MAPLE. This is a very hardy, small maple from Siberia, especially noteworthy on account of its beauty of shape and foliage and the glowing colors which it takes on in the Fall. Attains a height of 20 to 30 feet, is absolutely hardy and very ornamental. 2 to 3 ft., each, 40c; 10, \$3.00.

BIRD or PIN CHERRY—PRUNUS PENNSYLVANICA. A native of the state, which makes a very handsome small tree or large shrub, bears a small tart cherry in profusion, which is valuable for the making of jelly and preserves. 2 to 3 ft., each, 40c; 5 for \$1.75.

AMERICAN ELM—ULMUS AMERICANA. The elm is perhaps the most beautiful shade tree that can be grown. Our hardy native home grown stock is the finest that you can get and perfectly adapted to the Northwest in locations where it can receive a fair supply of moisture. 4 to 6 ft., each 35c, 10, \$3.00; 6 to 8 ft., each 60c, 10, \$5.00; 8 to 10 ft., each \$1.50, 10 \$14.00. Seedlings, 12-18 in., 100, \$1.60; 500, \$7.50; 1000, \$14.00.

NORTHWEST POPLAR. A hardy, drought resistant poplar, native in parts of North Dakota and Manitoba. A handsome, fairly fast growing tree, useful as an ornamental in addition to its value in wind-break and shelter belt planting. Perhaps the most drought resistant of any of the poplars; in appearance it is intermediate between the cottonwood and Balm of Gilead. 3 to 4 ft., each, 20c; doz., \$2.00; 50, \$8.00. 4 to 6 ft., each, 30c; doz., \$3.00; 25, \$5.00.

PIONEER POPLAR or MISSOURI VALLEY BALM OF GILEAD.

This is a poplar discovered growing in one of the wooded coulees draining into the Missouri some 20 miles north of Bismarck. It seems to be intermediate in appearance and



Northwest Poplar

SILVER-LEAVED POPLAR. A very rapid grower with smooth gray bark. The deeply lobed leaves are a dark glossy green on their upper side and snowy underneath. The contrast of the white against the green is distinctive. We offer a stock of choice 3 to 4 ft. trees, each, 30c; 10, \$2.75; 6 to 8 ft., each, 40c; 10, \$4.00.

BOLLEANA POPLAR. This is one of the most ornamental poplars, foliage is silver, shape tall and compact like a Lombardy, perfectly hardy as our stock is grafted on the native cottonwood. A particularly useful tree in landscape work, and very beautiful. A rapid grower. 3 to 4 ft., each, 35c; doz., \$3.50; 6 to 8 ft., each, 45c; doz., \$4.50.

NORTH DAKOTA BURR OAK. This is one of the most permanent and beautiful of our native trees but rather difficult to transplant. We are furnishing the larger size balled and burlapped. We are also offering stocky young trees from the seedling bed. 4 to 6 ft., each, \$2.00. Seedlings, 12 to 18 in., 25 for \$1.00.

BLACK WALNUT.

We are very glad to be able to offer at last a hardy

WILLOW

WHITE ENGLISH. This seems to be the hardiest of the fast growing willows, and most drought resistant. A handsome tree with green leaves somewhat silvery on the under side, and green bark. A very rapid grower and suitable for windbreak and shelter where the location is not too high and dry. Especially valuable to screen the back yard and produce a quick background for the house. 18 to 24 inches, doz., 30c; 100, \$2.50; 1,000, \$22.00.

GOLDEN RUSSIAN. The best known of the Russian willows. The bark is a handsome yellow all year around. Valuable in windbreaks, and can also be trained into tree form. 18 to 24 inches, doz., 25c; 100, \$2.00; 1,000, \$19.00. Cuttings, per 1,000, \$3.00.

LAUREL-LEAVED. A handsome ornamental tree, with large, shiny, laurel-like leaves. Its bark stands out dark green in Winter and it is a very beautiful specimen in all seasons. We consider this the best variety of the willow family, both ornamentally and for its value in windbreaks. 12 to 18 inches, doz., 35c; 100, \$2.75; 1,000, \$28.00.

DIAMOND WILLOW. Our best native willow and one of our most valuable trees. Produces in five or six years of growth fence posts of hard wood which will outlast the best posts of white cedar. Also by far the best firewood that can be found in the state. Easily grown. Seedlings, per 100, 75c; 500, \$2.50; 1,000, \$4.00. Cuttings, per 1,000, \$2.00.



Fence Post of Diamond Willow

Flowering and Ornamental Shrubs

We are listing a select number of hardy and beautiful shrubs which are particularly adapted to our climate. Many of them are natives that are in great demand all over the country but which we have hardly come to appreciate at their true value.

Besides the shrubs listed we include a section of hedge plants which are equally valuable for shrubbery plantings, and we would refer you also to such of the native fruits as **sand cherry**, **native gooseberry**, **chokecherry** and **wild plum** which work well in ornamental plantings.

Prices given are F. O. B. here, customer pays transportation by express. Shrubs may be sent by mail for ten cents each added to prices. The lighter plants are used and are cut back before mailing.

SEE INSIDE BACK COVER FOR BARGAIN SHRUB COLLECTION



Spirea Van Houtte

SPIREA, Van Houtte or Bridal Wreath. This is the most graceful of all the Spireas. In June it is a complete mass of small white flowers, well placed among its drooping branches. It is excellent as a specimen plant or for use in shrubbery cluster. 18 to 24 in., each, 25c; 10, \$2.00; 2 to 3 ft., each, 30c; 10, \$2.50.

SPIREA, Billiardi. A hardy, vigorous growing shrub with flowers in terminal rose-colored and white spikes blooming from midsummer until frost. Grows to a height of from 5 to 7 feet. 18 to 24 in., each, 30c; 10, \$2.75.

SPIREA, Alba or Salicifolia. This is a hardy native and the only native spirea in North Dakota. Resembles very closely the Billiardi except that the blossoms are always white. 18 to 24 in., each, 35c; 10 for \$3.00.

SPIREA, Arguta. A beautiful hardy spirea which has given excellent results at the Great Plains Station at Mandan. The earliest of the spireas, blooming before Van Houtte, flowers in massed umbels, color white. 2 to 3 ft., each, 40c; 10, 3.75.

SPIREA, Thunbergii. A very early blooming sort, even ahead of the arguta and with us somewhat hardier than the latter, and more dwarf. Maximum height, 5 ft. 18 to 24 in., each, 45c; 5, \$2.00.

SPIREA, Froebeli. Blooms in midsummer. This is a spirea of the bumalda type but somewhat larger than Anthony Waterer and in our opinion better adapted to more severe conditions. Flowers are a handsome pinkish red, a trifle lighter than the Waterer. Blooms on new wood and remains in flower for a long period. 18 to 24 in., each, 30c; 10, \$2.50.

SPIREA, Margaritae. This is of a type similar to the Froebeli with flat clusters of handsome dark pink flowers, but it attains a height of some 5 feet, about twice as tall as the other bumalda types. A very striking shrub which blooms profusely in late July and August into September. Has proved exceptionally hardy. 12 to 18 in., each, 30c; 10, \$2.80.

SPIREA, Sorbaria. The ash-leaved spirea resembling a Mountain Ash in appearance. A most distinctive shrub with its large plumes of white and its distinct and handsome foliage. Much of the wood dies back in the Winter and new wood shoots up very early, upon which are borne the masses of flowers during the month of July. 18 to 24 in., each, 40c; 10, \$3.75.

SPIREA, Opulifolia (Ninebark). A very hardy and handsome shrub attaining a height of 4 to 6 feet, bears flat clusters of handsome white flowers in early July and these turn to red seed containers which add to the appearance of the shrub during most of the summer. 2 to 3 ft., each, 50c; 10, \$4.50.

BLACK HAW or SHEEPBERRY—VIBURNUM LENTAGO. Another handsome native viburnum which attains a height of six to ten feet. Bears white flowers in flat clusters followed by blue black berries which remain through the winter. Thick, glossy leaves take on beautiful colors and shades in autumn. 18 to 24 in., each, 30c; 10, \$2.75.

HOPA RED FLOWERING CRAB. This is one of Prof. Hansen's productions, and a most beautiful ornamental. It will attain the height of a small tree in time. In May it is a mass of dark crimson blossoms, the foliage has a distinct reddish tinge and the small fruits have the same handsome crimson color and are borne in profusion. Each, 45c; 10, \$4.00.

RED BERRY ELDER. This type of elder is fully as handsome as the black and our stock is grown from Manitoba seed so that it should prove even hardier in the Northwest. Very similar to the other type except that the berries are bright red instead of black. 2 to 3 ft., each, 35c; 10, \$3.00.

RED OSIER DOGWOOD—CORNUS STOLONIFERA. This is the handsome, red-barked dogwood which lends so much color to the winter landscape along our streams in western North Dakota. Hardier than the Siberian dogwood, it is fully as beautiful. Bears flat clusters of fragrant white flowers in early summer, followed by small white berries. The autumn colors are brilliant. Also known as kinni-kinneck or Indian tobacco. 2 to 3 ft., each, 30c; 10, \$2.50.

MAY DAY TREE. A handsome Siberian shrub resembling our chokecherry but blooming much earlier. In fact its leaves and blossoms are about the earliest thing to appear in the Spring. Flowers in elongated clusters and very fragrant. In blossom the tree is a mass of feathery white plumes. 3 to 4 ft., transplanted, each, 35c; 10, \$3.00.

SILVERBERRY—ELAEAGNUS ARGENTEA. The American cousin of the Russian olive. A less rank growing shrub, with many small yellow blossoms in the Spring of great fragrance. The unusual silvery color gives it great value in combination beds. 2 to 3 ft., each, 35c; 10 for \$3.00.



Billardi Spirea



May Day Tree

DOUBLE FLOWERING PLUM—PRUNUS TRILOBA. Large, double rose flowers, thickly clustered, blooming before leaves appear. Large three-lobed leaves. The most ornamental early flowering shrub. Size 3 to 4 ft., each, 45c; 5 for \$2.00.

For Nanking Cherry (Chinese Bush Cherry) See Page 75.

CISTENA PURPLE-LEAVED SAND CHERRY. This is a very attractive shrub, the foliage being a rich purple all through the season. Very valuable as a plant to add color to the ordinary shrubby clump. 2 to 3 ft., each, 40c; 10, \$3.50.

CUT LEAF ELDER. This is one of the hardier members of the elder family, resembling the ordinary sort as to fruit and habit of growth, but having a finely divided, feathery leaf which adds very materially to its beauty. Bears large clusters of small white flowers, followed by black berries. 2 to 3 ft., each, 35c; 10, \$3.25.

BUFFALO or YELLOW FLOWERING CURRANT—RIBES AUREUM. One of the very hardiest and best shrubs for the Northwest, a native of our Little Missouri Bad Lands. In early May it is covered with very fragrant and handsome yellow flowers which are succeeded by a large black fruit that makes excellent jelly or jam, and is exceedingly ornamental as well. Foliage takes on bright shades in the Fall. 2 to 3 ft., each, 35c; 10, \$3.00.

SIBERIAN DWARF FLOWERING ALMOND. This is the strain introduced by Professor Hansen. A very dwarf plant not growing taller than 3 feet or a little more. Is exceedingly hardy and drought resistant, being a native of the driest parts of Siberia. It is a mass of bright pink flowers in early Spring which last for some three weeks, very fragrant and fine for cutting. Also handsome on account of the Fall colors of its foliage. A beautiful low hedge. 12 to 18 in., each, 35c; 10, \$3.00; 25, \$7.00.



Siberian Flowering
Almond

NATIVE HAWTHORN, THORNAPPLE or RED HAW—CRATAEGUS. A shrub or small thorny tree, a hardy native, which is a mass of white flowers in Spring and after July is covered with large red berries of a beautiful shade which hang till late in the Fall unless eaten by the birds. It is difficult to transplant unless the stock has been transplanted from seed in the nursery as ours. A wonderful hedge plant. Price, 12 to 18 in., each, 30c; 5 for \$1.40.

JUNE BERRY or SASKATOON—AMELANCHIER CANADENSIS. A native of this state, attaining a height of 6 to 8 feet, bearing white flowers very early in the Spring and producing a large number of ornamental edible berries. Nursery grown, 18 to 24 in., each, 30c; 10, \$2.75.

FRAGRANT or AROMATIC SUMAC. This is a low growing variety forming a compact, glossy green bush from 2 to 5 ft. high and as broad. It has inconspicuous yellow flowers in the late spring and bright red berries toward fall. The leaves have much the odor of rose geranium. Price, 18 to 24 in., each, 50c; 10, \$4.50.

SUMAC, SMOOTH—RHUS GLABRA. Another very hardy and handsome shrub, native in the eastern part of our state. The handsome, much divided leaves turn a brilliant crimson in the Fall, and the fruit takes on a crimson hue in August. Is also beautiful at blossom time. Heavy plants. Each, 35c; 10, \$3.00.

SNOWBALL—VIBURNUM OPULUS STERILIS. An old favorite the country over. Requires a favorable location and plenty of moisture. When conditions are favorable it is unsurpassed among the early blooming shrubs. The last of May or in the first week or two of June it becomes almost completely covered with dense round white flower clusters. 18 to 24 in. size, each, 45c; 10, \$4.00.

HIGH BUSH CRANBERRY or PEMBINA BUSH—VIBURNUM AMERICANA. It is a native shrub, and flourishes on all but the driest soils. The leaves are a glossy green and are always free from insects. It is very

highly valued for its beautiful foliage and early white flowers, but mostly for its big clusters of red berries in the Fall. Our native relative of the Snowball which it resembles very much in appearance. Each, 40c; 10, \$3.75.

PURPLE LILAC. The old fashioned favorite and perhaps the most popular shrub in America even today. May blooming, its sweet fragrance and lovely spikes of bloom are not surpassed by any other shrub. Size 18 to 24 in., each, 30c; 10, \$2.75; 2 to 3 ft., each, 35c; 10, \$3.00.

CARAGANA PYGMAEA. This is a very dwarf shrub with bright yellow and very handsome flowers in May or June. Resembles somewhat the tender brooms which are so valuable farther south. Scarce and hard to procure. 12 to 18 in. Price, each, 75c.

CARAGANA FRUTEX. A little known shrub, has larger leaves than the pea tree and larger blossoms as well which come a little later in the season. Valuable as a shrub since it grows only half as tall as the pea tree. 18 to 24 in. Each, 50c; 5, \$2.25.



Double Flowering Plum



Buffalo Currant



Purple Lilac

LILAC, Common White. The old favorite with its pure white flowers of great fragrance. 18 to 24 in. Each, 35c; 10, \$3.00.

LILAC, Persian. This is a later blooming form of lilac with finer foliage and flowers. Does not freeze back as often as the common and is a very beautiful shrub. 18 to 24 in. Each, 40c; 10, \$3.75.

LILAC, Villosa. Blooms after the Persian in month of June. The flowers are of a lilac-white and are in dense clusters. 2 to 3 feet, each, 40c; 10, \$3.75.

LILAC, Josikea. This is another late blooming va-

riety, sometimes called Hungarian Lilac. It resembles the Villosa in most ways but has a handsome purple bloom, very fragrant. Each, 40c; 10, \$3.75.

FRENCH HYBRID —Charles X. This is one of the finest, wonderful clusters of huge size, color between lilac and violet. Hybrids do not spread from the root. Price, each, 50c; 5, \$2.25.

FRENCH HYBRID —Ludwig Spaeth. Extra hardy as is the variety above. Great clusters of deep wine colored bloom, double. Very free blooming. Price, each, 50c; 5, \$2.25.

Shrubs for Both Hedge and Ornamental Planting

SALIX BRITZENSIS or RED BARK WILLOW. We obtained our stock of this handsome ornamental willow from the Dominion Experiment Station at Morden, Manitoba. It is a handsome addition to the winter landscape effect with its brilliant red color, and is beautiful at all seasons of the year. Can be used in group planting, hedge planting and in other places. Price, each, 20c; doz., \$2.00.

RUSSIAN OLIVE —ELEAGNUS ANGUSTIFOLIA. The hardiest of the Russian importations. Thrives on the poorest soils and withstands drought, heat and cold absolutely. It has small yellow flowers produced abundantly, replaced later by small silvery white, olive-shaped fruits. When trimmed it makes a beautiful ornamental and when cut back forms a most effective hedge. For hedging, plant 1 foot apart. 6 to 12 in., 10, 60c; 50, \$2.50; 100, \$4.00; 1,000, \$30.00. 12 to 18 in., 10, 80c; 50, \$3.50; 100, \$5.00. 18 to 24 in., each, 10c; 10, 90c; 100, \$8.00; 500, \$35.00.

SIBERIAN PEA TREE —CARAGANA ARBORESCENS. The most popular of all the Russian and Siberian importations. Valuable alike for trimmed hedge, shelter belt or ornamental shrub and one of the very hardiest plants in existence. It is being used extensively and with the best results in farm plantings. Foliage resembles that of the locust, and a dainty yellow, pea-like flower covers the plant in late May or June. Bark a handsome green in color. Price, 6 to 12 in., 10, 30c; 100, \$2.50. 12 to 18 in., each, 10c; 10, 60c; 100, \$3.00; 500, \$14.00; 1,000, \$27.00. 18 to 24 in., each, 15c; 10, \$1.00; 100, \$8.00; 500, \$30.00; 1,000, \$55.00.



Siberian Pea Hedge



Tartarian Honeysuckle

TARTARIAN BUSH HONEYSUCKLE. The upright or bush form of the Honeysuckle and noted for the great profusion and fragrance of its flowers. Growing from 8 to 12 feet high (according to location), these tall growing shrubs are extremely suitable for shrubbery clusters and for individual planting purposes, especially in exposed locations, as they are the last word in hardiness. For hedges they are unsurpassable, being very ornamental in a trained hedge and will stand clipping to any desired shape or form. Mixed, 2 to 3 ft., each, 22c; 10, \$2.00; 50, \$9.50; 100, \$18.00. Pink or Red, 2 to 3 ft., each, 30c; 10, \$2.75; 50, \$12.50.

MORROWI HONEYSUCKLE. This is a smaller variety attaining a height of six feet. It is more regular and graceful in habit, leaves of a darker green on top and lighter below. A Japanese sort. Fruit red. 3 to 4 ft., each, 35c; 10 for \$3.00.

COTONEASTER. Acutifolia. This shrub, which is not only handsome in mixed plantings but unusually well adapted to the formal hedge under conditions where Privet is used in milder climates, is one of the most valuable of recent Asiatic introductions. The foliage is dark green and very glossy, flowers which come early are inconspicuous but are followed by handsome black berries which hang until very late. 6 to 12 in., 10, 50c; 50, \$4.00. 18 to 24 in., each, 20c; 10, \$1.90; 50, \$9.00.

OLD MAN or RUSSIAN ARTEMISIA. One of our very hardiest and quickest growing hedge plants. Will make a 4-ft. hedge in a month or two. Semi-herbaceous and kills back part way over Winter, but the new growth comes faster and stronger

each year. Feathery branches covered with grayish green foliage and emitting a pleasant, pungent odor. 2 to 3 ft., each, 20c; doz., \$2.00; 50, \$6.00; 100, \$11.00.

BUFFALO or BULL BERRY (Shepherdia arg.). Red. A native shrub, hardy, especially adapted to dry conditions, with silvery foliage. Is a mass of brilliant red berries from early August until they are picked or eaten by birds. Named by the early French explorers as the bushes in fruit looked at a distance as though they were hung with fresh buffalo meat. The berries make an excellent jelly. 2 to 3 ft., each, 30c; 10, \$2.75.

BUCKTHORN. One of the most popular hedges where there is a fair amount of moisture and the soil is good. Cold resistant, and makes a beautiful and sturdy hedge. Plants, 2 to 3 ft., each, 20c; 10, \$1.80; 50, \$8.00.



Old Man or Artemisia

Ornamental Vines

(See also Grape Vines on page 72)



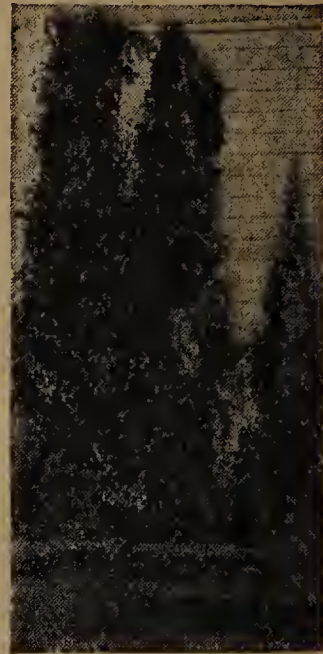
Virginia Creeper

is usually considered an Asiatic variety. It is more delicate of foliage and slower of growth than the white, but the large yellow blossom is very showy, and the vine is perfectly hardy. Produces a fine effect as a porch or trellis vine. **Each, 35c; 10, \$3.00. Postpaid, each, 40c.**

ENGELMANN'S CREEPER (Amp. Engelmanni). A type of Virginia creeper, but having shorter joints and much smaller and thicker leaves. Its strongest feature is its ability to cling to brick, stone or plaster. This makes it valuable in covering walls and large buildings. It is quite hardy but we advise planting it in partially sheltered places. **Each, 35c; 10, \$3.00. Postpaid, each, 40c.**

NATIVE HOP VINE. This vine is very similar in appearance to the cultivated sort but is hardier. A perennial root with new growth each year, which attains a length of 16 feet or more. A handsome, thick-growing vine that will thrive in almost any soil and under any condition. **Each, 25c; 10, \$2.00. Postpaid, each, 30c.**

BITTERSWEET, *Celastrus scandens*. A very ornamental and absolutely hardy native climber. It produces orange-yellow flowers followed by showy crimson fruits in Autumn. The leaves are dense and glossy. **Each, 35c; 10, \$3.00. Postpaid, each, 40c.**



Native Hop Vine

Hardy Roses

Few Roses are suited to the climate of the Northwest and nearly all require some Winter protection. Of those we list, Rosa Pratincola, Harrison's Yellow, Rosa Rubrifolia and Scotch White are entirely hardy without covering. The Rugosa and its hybrids will kill back a trifle in severe Winters, but are generally hardy; all others should be cut back in the Fall and well covered, preferably with soil banked up, but at least with straw or manure. Add 10c to price of Single Rose if ordered postpaid.

RUGOSA HYBRIDS

AMELIA GRAVEREAUX (Hybrid Rugosa). One of the most handsome hybrids. The color is a rather brighter red than Hansa and the flowers, though smaller, are better formed and resemble the Tea Roses more. Very fragrant, medium hardy. **Each, 50c; 5 for \$2.25.**

SIR THOS. LIPTON (Hybrid Rugosa). This is one of the hardiest of the white Rugosa hybrids and one of the very best as to size and doubleness of the flowers as well, so we are offering it instead of the old white sort that we listed formerly. **Each, 50c; 5 for \$2.25.**

GROOTENDORST or CARNATION ROSE (Rugosa Polyantha Hybrid). Something new in Roses. Handsome Rugosa foliage with flowers in clusters like its baby rambler parent. The flowers, however, resemble carnations more than anything else and are of a delicate pink shade which heightens the resemblance. **Each, 50c; 5 for \$2.25.**

AGNES (Hybrid Rugosa). The only real yellow rose of this type. A handsome clear yellow of a shade varying as it is in full sun or not from very pale to lemon or darker. Blooms profusely and several times. **Each, 60c; 5 for \$2.75.**

NEW CENTURY (Hybrid Rugosa). This is a handsome, light pink; bush rather low growing, 2 to 3 feet, but flowers of very large size. It is one of the hardier sorts, with the handsome leathery foliage of the Rugosa. A Van Fleet production. **Each, 50c; 5 for \$2.25.**

HANSA (Rugosa Hybrid). Crimson in color and one of the very hardiest. Strong and upright in growth, handsome foliage and blooms throughout the Summer most profusely. Flowers keep well when cut. **Each, 45c; 5 for \$2.00.**

SARAH VAN FLEET (Rugosa Hybrid). This is one of the newer Rugosa hybrids, a production of the famous Rose breeder, Dr. F. W. Van Fleet.

This variety is exceptionally hardy, a thrifty, strong growing bush. Blooms heavily and almost continuously through the season. Flowers are very double, large and of a rose pink color. **Each, 50c; 5 for \$2.25.**

MISCELLANEOUS ROSES

CRIMSON BABY RAMBLER (Dwarf Polyantha). Flowers similar to those of the climbers but plant forms a dwarf bush excellent for bed and as a pot plant. Blooms continuously throughout the Summer and flowers are a brilliant crimson in color. **Each, 50c; 5 for \$2.25.**

CRIMSON RAMBLER (Climber). The Crimson Rambler is the hardiest of the climbers and will survive if laid down and covered with earth through the Winter. Grows 8 feet or more per year and in June is a mass of brilliant crimson blossoms in dense clusters. **Each, 50c; 5 for \$2.25.**

See Bottom of Page 57 for a Book of Great Interest to All Gardeners



**Amelle
Graveraux**



Hansa

ROSA RUBRIFOLIA. This is a perfectly hardy rose especially notable for the color of its stems and leaves, which is a bronze red. It is of particular value as a hedge plant and as a color relief in mixed plantings. Each, 30c; 10 for \$2.50.

WHITE SCOTCH ROSE (Spinosissima). 2-4 ft. This is a very hardy and very heavy bearing white rose which has been grown over the Northwest for many years under many names. A bush rose which blooms in late June and July, and in its compact and thrifty appearance is an ornament at all seasons. Each, 75c; 5 for \$3.50.

HARRISON'S YELLOW. The most popular bush rose in the Northwest, owing to its great hardiness, its sure blooming and the beauty of the thousands of little double yellow roses with which it covers itself every June. A briar type which gets to be 5 to 7 ft. high. Each, 55c; 5 for \$2.50.

PRAIRIE ROSE (Rosa pratincola). The North Dakota State Flower and the hardiest and prettiest of the several wild Roses of the Northwest. Never grows taller than 2 to 3 feet and assumes a symmetrical bush shape which makes it ideal for low division lines. The large, single, pink blooms are followed by bright scarlet berries of good size. Each, 35c; 10 for \$3.00.



Harrison's Yellow

CHOICE HARDY PEONY ROOTS

Deduct 5c per root on named sorts if ordered by express.

FINE MIXED PEONY ROOTS. A mixture of high class named varieties of different colors. No special color selection. Postpaid. Each, 20c; 10 for \$1.75.

1934 PIONEER PEONY COLLECTION

One of the finest reds, **FELIX CROUSSE**; one of the finest whites, **COURONNE D'OR**; one of the finest pinks, **JULES ELIE**; regular price \$1.35. Special Price for the Three, Postpaid.....

\$1.00

RED PEONIES

KARL ROSENFELD. Mid-season, large rose type, bright crimson, a heavy bloomer and fine for cutting. Postpaid, each, 60c; 5 for \$2.50.

MARY BRAND. Mid-season. Large, very fragrant, rose type. Vivid crimson with golden stamens through the center. Postpaid, each, 80c; 5, \$3.75.

MONS. MARTIN CAHUZAC. This is a very striking bloom, extremely dark red, the darkest of all peonies, early mid-season, graceful and cuts well. Postpaid, each, \$1.25.

FELIX CROUSSE. One of the finest reds, not a tall plant but very prolific, mid-season, ball shaped, a rich ruby color, fine for cutting and ornamental planting as well. Postpaid, each, 40c; 5 for \$1.75.

PHILLIPPE RIVOIRE. A very dark red, early sort, flower large, fragrant, and rates very high (9.3), strong grower and one of the peony aristocrats. Postpaid, each, \$1.50.

PINK PEONIES

MONS. JULES ELIE. The finest rose-pink peony in cultivation, early, of huge size and thrifty. Postpaid, each, 60c; 5 for \$2.50.

PHYLLIS KELWAY. Mid-season, rose pink, very large, loose shaggy flower of fine texture. Postpaid, each, \$1.00; 5 for \$4.50.

THERESE. Rating 9.8. Perhaps the world's finest pink, rose type, satiny pink, develops a high crown as it matures, late mid-season, heavy growth and sturdy. Postpaid, each, \$1.00, 5 for \$4.50.

SARAH BERNHARDT. Apple blossom pink, tipped with silver. Large flowers in huge clusters, very fine cut. Postpaid, each, 60c; 5 for \$2.50.

E. J. SHAYLOR. Large, double, dark rose pink, mid-season. Rose fragrance. Postpaid, each, \$1.25; 5 for \$5.00.

CLAIRE DUBOIS. A very large flower, rose type and globular, even color—deep violet rose with silver tips, a late bloomer. Postpaid, each, 40c; 5 for \$1.75.

EUGENE VERDIER. Late, hydrangea pink color, rose type, fragrant, compact growth, heavy bloomer. Postpaid, each, 40c; 5 for \$1.55.

TOURANGELLE. Pearly white overlaid with a very delicate rose, late, high quality flowers and a full bloomer. Postpaid, each, \$1.00; 5 for \$4.50.

WHITE PEONIES

SOLANGE. The most perfect flower of all peonies, very late, a smoky white with unusual shades. Rose type. Postpaid, each, \$1.40.

COURONNE D'OR (Late White). One of our best late peonies. Semi-rose type, of an ivory color with conspicuous crown of golden stamens in the center. Blooms large, excellent for cutting. Postpaid, each, 35c; 5 for \$1.50.

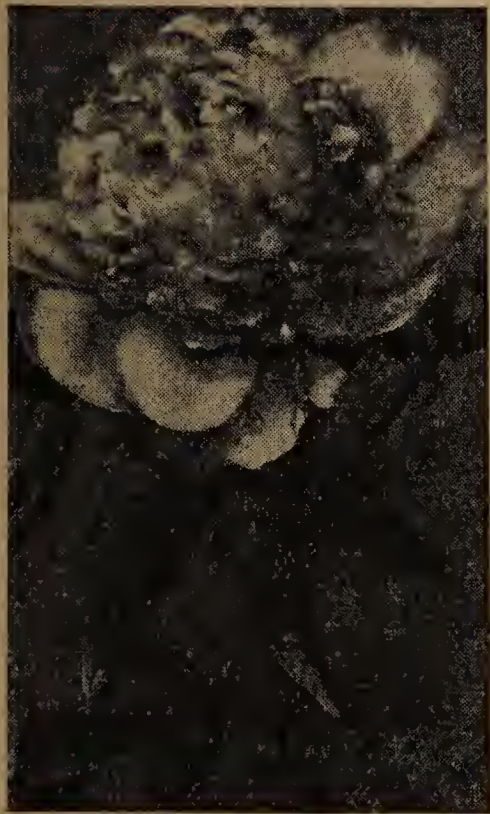
FESTIVA MAXIMA. The largest and finest of all white peonies. Rose type flower, very early and wonderful to cut. Postpaid, each, 45c; 5 for \$2.00.

MDE. EMILE LEMOINE (Midseason). This is also sometimes classed as a pink. Its large full blooms are overlaid with a delicate pink. Large flowered, full blooming and vigorous. One of the finest. Postpaid, each, 65c; 5 for \$3.00.

MDE. De VERNEVILLE (Early). Comes into bloom just after Festiva Maxima. Very profuse blooming. Full bomb type flowers, unusually fine for cutting. Very fragrant. White, flecked with carmine. Postpaid, each, 40c; 5 for \$1.80.

AVALANCHE. A high class early white sort, globe shaped flower with flecks of crimson and lilac at the center and a cream collar. Fine both for cutting and landscape work. Strong upright bush. Postpaid, each, 50c; 5 for \$2.00.

BARONESS SCHROEDER. This is one of the very finest mid-season whites. Rose type with an exceptionally perfect flower, and a free bloomer. Each, 50c; 5 for \$2.25, postpaid.



Couronne D'Or



Felix Crousse

The IRIS—Varieties for the Northwest



Sherwin Wright

FANCY BEARDED IRIS

SHERWIN WRIGHT. This flower is a real sensation. The brightest and finest yellow to be found among the irises. Color a deep golden yellow. Postpaid, each, 15c; doz., \$1.50.

QUAKER LADY. This is an odd and unusually beautiful iris in soft tones; the standards are in smoky lavender and gold; the falls are a combination of blue, yellow and orange. Postpaid, each, 15c; doz., \$1.50.

MONSIGNOR. One of the hardiest and strongest and exceptionally handsome. Standards light bluish violet; falls overlaid with deep velvety purple and crimson. Postpaid, each, 15c; doz., \$1.50.

LOHENGRIN. This is one of the handsomest of pink irises. The color is a very soft tone of lilac pink. Postpaid, each, 15c; doz., \$1.50.

NOKOMIS. This is a sturdy, tall growing iris of great beauty. Standards are pale lavender white; falls a dark velvety violet blue with white edging. Postpaid, each, 15c; doz., \$1.50.

SILVER KING. Lavender shading to white. Postpaid, each, 15c; doz., \$1.50.

HONORABILIS. This is the well known yellow and bronze variety that is so exceptionally hardy. Not a large flower but a good producer. Postpaid, each, 10c; doz., \$1.00.

SMOKY. A handsome iris resembling in colors the Quaker Lady but a trifle darker and more reddish. A very handsome strong growing iris. Postpaid, each, 14c; doz., \$1.40.

BLUE JAY. One of the finest blues that we have seen, medium early and most satisfactory. Postpaid, each, 15c; doz., \$1.50.

JOHAN DE WITTE. One of the finer sorts, though an older production, coming from Lemoine of France. Postpaid, each, 15c; doz., \$1.50.

LORELEY. A handsome iris with yellow standard and blue falls. Postpaid, each, 14c; doz., \$1.40.

VIRGILE. One of the older Lemoine varieties, but still considered of high rank. Postpaid, each, 14c; doz., \$1.40.

RHEIN NIXE. A lovely blue and white iris, medium early and very handsome. Postpaid, each, 14c; doz., \$1.40.

DWARF EARLY IRIS

SAMBO PUMILA. The earliest of all iris; a dwarf variety of uncommon beauty which blooms very early in the spring. Color a rich purple. Especially suited for edging and borders. By mail, each, 12c; doz., \$1.00.

ARENARIA. A very early yellow variety; groups well with the Sambo. By mail, each, 12c; doz., \$1.00.

DARK BLUE PUMILA. This is a trifle later and a few inches taller than the Sambo with a somewhat darker and larger blossom, fully as hardy and excellent in every way. Postpaid, each, 15c; doz., \$1.50.

WHITE PUMILA. This is another of the extra hardy dwarf type, same size as the dark blue, of a handsome

silvery color, and a prolific bloomer. We have grown it and satisfied ourselves of its value before placing it on sale. Postpaid, each, 15c; doz., \$1.50.

SIBERIAN IRIS

SIBERIAN BLUE. Large, handsome violet-blue flowers blossoming after the flag iris are gone. This variety, having conspicuous crimson spathe valves, is also very ornamental in the bud stage, 2 to 3 feet. Postpaid, each, 15c; doz., \$1.50.

EUROPEAN YELLOW FLAG. Iris pseudacorus. This is an exceptionally hardy iris, valuable more for its size and vigor than for the flowers, which are a pale yellow. The plant attains a height of 3 to 5 feet in a very short time and soon forms a heavy clump. Very useful therefore in beds and landscape planting. Needs plenty of moisture to look its best. Each, 15c; 12, \$1.50, postpaid.

EXTRA FANCY BEARDED SORTS

LORD OF JUNE. 40 inches. Fragrant. The flowers are gigantic in size, measuring seven inches in length and it has a delightful cinnamon fragrance. Such an iris really makes the old type iris look like pigmies. The standards of Lord of June are of soft lavender blue and the falls rich violet blue. Postpaid, each, 25c; doz., \$2.50.

AMBASSADEUR. 42 inches. Late. If you want just one iris, buy Ambassador. It was voted by far the most popular iris in the world by the membership of the American Iris Society, receiving 111 votes against 83 for its next nearest competitor and only 11 varieties receiving more than 50 votes. The decision was therefore overwhelming. It is a gigantic flower of rich coloring, perfect form, good texture, on tall stems. A blending of dark colors. Postpaid, each, 20c; doz., \$2.00.

LENT A. WILLIAMSON. This is an extra tall iris of very handsome blue to purple shades, full and graceful. Has a very high rating. Postpaid, each, 15c; doz., \$1.50.

MORNING SPLENDOR. This is perhaps the best large red iris so far produced. Postpaid, each, 20c; dozen, \$2.00.

WHITE KNIGHT. Fragrant. This is a pure white iris of fair size, nice quality and delicate fragrance which has made it very popular. Postpaid, each, 18c; dozen, \$1.80.

NIEBELUNGEN. A large fine iris with yellow standards and violet falls. Medium height. Postpaid, each, 15c; dozen, \$1.50.

POSTPAID
FOR

\$1.25

One each of any ten iris in the list—your selection—only one of any sort to be chosen

Beautiful Hardy Perennial Flowers

[[Earliness indicated. This is a selected list including many of our exceptionally beautiful natives. Prices of all perennial roots unless otherwise noted. Postpaid, each, 20c; doz., \$2.00. Deduct 4c each if not postpaid.]]



Perennial Aster

DAKOTA ASTER, PINK or BLUE. This is the finest of the prairie asters and we are happy to be able to offer it in pink as well as blue this year. Our foreman, Mr. Schubert, discovered a single pink plant several years ago from which our present supply has been propagated. Flowers large with yellow centers, blooms very late, dwarf in habit. 18 to 24 in. high.

ASTER, TALL BLUE. Another native attaining a height of 3 to 5 feet. Very similar in appearance to the beautiful New England aster but with lighter color; tall stemmed with handsome foliage. Blooms in late August and September.

WHITE GARLAND ASTER. This is the small, late blooming white aster of our dry prairies. The entire plant is one mass of small white blooms strung on every branch and stem-like blossoms in a garland.

NEW ENGLAND ASTER. The darkest purple and richest color of any of our native asters. Blooms in late August or early September. Height, 3 to 5 ft. with a dense mass of bloom at the top.

TALL BLAZING STAR, Liatris squarrosa. This is one of our most beautiful of midseason perennials; purple, feathery flowers borne thickly on a long spike during July and August. 24 to 36 inches.

DWARF BLAZING STAR. This is a small variety of the one previously listed. Very hardy and drought resistant; especially suited to sandy soil. Deep purple flowers on wandlike stems in July and August. 10 to 20 inches.

ACHILLEA (The Pearl). One of our finest hardy herbaceous border and bedding plants. Has pure white double flowers in dense clusters blooming from July until October. Also used much in cemeteries and for cutting purposes. 1½ feet.

ANEMONE or WINDFLOWER, Anemone canadensis. Has beautiful white flowers in June and July and will do especially well mixed in with partially shaded shrubbery. 12 to 18 inches.

LEAD PLANT or AMORPHA CANESCENS. This is one of our most handsome midsummer blooming native perennials. Grayish green foliage, long spikes of rich purple flowers with golden anthers. 18 inches to 2 feet. Blooms in late July.

AMORPHA FRUTICOSA. This is a large relative of the lead plant, grows up to five or six feet tall, bushy, with long purple flower spikes in July. Leaves divided to resemble the pea tree or locust.

BOLTONIA. A handsome August blooming native perennial with masses of small white, aster-like flowers. Grows from 3 to 5 feet high in a dense clump. Each, 15c; doz., \$1.50, postpaid.

BOUNCING BET, Saponaria. An old favorite and one which we have found to be perfectly hardy. 12 to 18 inches high with a close head of white or pinkish white blooms at the top, resembling phlox very closely. Blooms throughout most of the Summer. Each, 15c; doz., \$1.50, postpaid.

Columbines

RED COLUMBINE or HONEY-SUCKLE. This old favorite is native throughout the east and into our state. Loves shady or semi-shady places. **Blooms from June 1 to July.** Height, 18 to 24 inches.

ROCKY MOUNTAIN COLUMBINE. The beautiful state flower of Colorado, where it grows under the harshest conditions. Few flowers surpass it in beauty. Varies in color from sky blue to very light. **Blooms in June and July.** Height, 18 to 24 inches.

HYBRID COLUMBINES. Varying shades from almost purple through yellows to white, mostly long spurred with drooping flower heads. Same height as others, bloom a trifle later.

LIBERTY BELL COLUMBINE. A native of Montana and Idaho; color yellow, straw color to nearly white. Heavy stem, **blooms in July.** Same height as other sorts.



Rocky Mountain Columbine

has been so favorably received. The flower is much larger than the ordinary sort. **Price, each, postpaid, 50c; doz., \$5.50.**

BLEEDING HEART, Dicentra spectabilis. One of the very best old-fashioned garden plants and hardy in every respect. Very fine for borders or margins of shrubbery. Quite distinct and very scarce the last few years. **Blooms in June and July. Each, 50c. Postpaid, each, 55c.**

DOUBLE BUTTERCUP. A buttercup with delphinium like foliage and many flowers in tight yellow rosettes. 12 in. to 18 in. high. Of value in a border.

CAMPANULA (Rapunculoides). This is a very hardy species, resembling the bluebell but about twice as large both in plant size and size of blossom. Grows 18 to 30 in. high.

SHASTA DAISY, Chrysanthemum Max. Flowers large, pure white with yellow center, very showy and free-blooming. A fine border plant. **Blooms in July. 12 to 18 inches.**

GIANT DAISY. This flower resembles the Shasta Daisy superficially, but is later blooming and even harder, requires no Winter protection and will thrive in sun or shade almost equally, but prefers heavy soil. Grows to a height of 4 to 5 feet and bears a cluster of large white daisy-like flowers at the top.



Shasta Daisy

PYRETHRUM or PAINTED DAISY. 1 to 1½ ft. tall, blooms in June. Flowers typical daisies in a beautiful yellow color.

DIANTHUS DELTOIDES. A beautiful low growing rock plant bearing quantities of small pink flowers in June and July.

PERENNIAL PHLOX. We can furnish these old favorites in white, salmon, light pink, lavender and mixed colors. They require ample moisture and some winter protection for best results. Under proper conditions they are long bloomers and very showy.

MEADOW RUE, TALL, Thalictrum. A beautiful native with foliage reminding one both of the columbine and the maidenhair fern. Grows to height of three to four feet, forming a dense clump, and bears tall plummy spikes of delicate and feathery pink, and cream flowers. **Blooms in late June and July.**

BLUE PERENNIAL FLAX. Has a handsome blue flower and thickens up into heavy clumps which become a mass of blue. Flowers in early July, and throughout the summer. Height from 18 to 24 in. **Postpaid, each, 15c; doz., \$1.50.**

GAURA COCCINEA. This is a pretty native, useful in dry locations. About 10 in. tall with a graceful spike of pink flowers. **Blooms in late June and July.**

GOLDEN GLOW, Rudbeckia. Very free flowering and one of our most attractive Autumn flowering perennials for massing or mixed borders, producing beautiful golden yellow flowers in great profusion from August until October. 5 to 6 feet.

GOLDENROD. This beautiful and graceful flower of late August and the fall months responds very well to cultivation. 18 to 36 in. **Postpaid, each, 10c; doz., \$1.00.**

GAILLARDIA or BLANKET FLOWER. One of the showiest and hardiest of the perennials. **Blooms from July to frost** and presents a mass of red and yellow that is very striking. Valuable for cutting and a good keeper. A close relative of our native gaillardia. 12 to 24 inches high.

MONARDA (Fistulosa) or BEE BALM. This is the western representative of the plant known in the East as Cambridge Scarlet. It is sometimes called horse mint. Bears large and numerous heads of feathery blue flowers with a pleasantly aromatic odor. Comes into flower in late July and August. Height 18 to 24 inches.



Gaillardia

DELPHINIUM, Bellamosa. This is the finer growing sort with the very dark blue flowers. If cut the larkspurs will bloom all summer. **Postpaid, each, 22c; doz., \$2.00.**

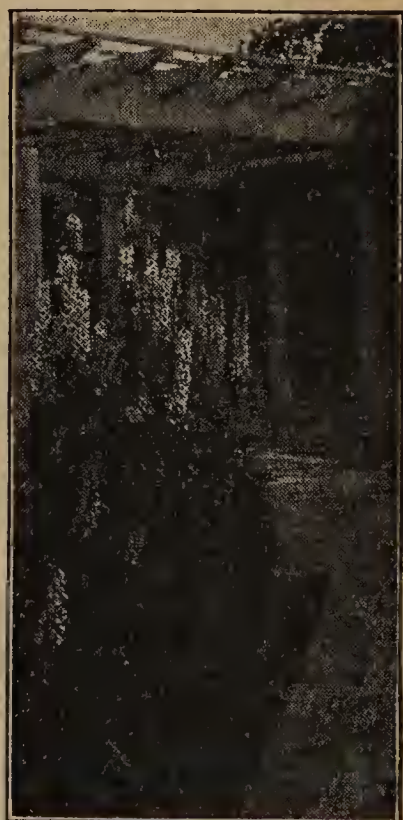
DELPHINIUM, Belladonna. This is the heavy growing pale blue strain with the spire-like stalks of flowers. **Postpaid, each, 22c; doz., \$2.00.**

PRAIRIE CONE FLOWER. This is the hardy and handsome daisy-like yellow flowered plant with the tall cone in the center. It comes into bloom in middle July. We are offering mixed plants of red and yellow.

BABY'S BREATH, Gypsophila paniculata. A very graceful plant blooming in August and September, when it becomes a mass of minute, pure white blossoms, unexcelled for cutting. 2 feet.

BABY'S BREATH, BRISTOL FAIRY.

This is the new double variety that has been so favorably received. The flower is much larger than the ordinary sort. **Price, each, postpaid, 50c; doz., \$5.50.**



Delphinium or Larkspur

PASQUE FLOWER, Pulsatilla patens. Sometimes called the prairie crocus. The first flower to come out on our northern prairies in March or early April, often while the snow is still on the ground. 6 to 8 inches tall with a delicate, lavender, tulip-shaped bloom, followed by a silky tuft of a silvery color.

PIONEER COLLECTION OF HARDY PERENNIALS

For Mid- and Late Summer

One each of the following handsome perennials:—

Dakota Pink Aster, Larkspur or Delphinium, Hollyhock, Gaillardia, Prairie Coneflower, Baby's Breath, Dwarf Blazing Star, Meadow Rue, Platycodon or Bellflower, Prickly Poppy, Sweet William, Maximilian Sunflower.

PRICE POSTPAID \$1²⁵ FOR ALL TWELVE



Hollyhock

HOLLYHOCK, Double and Single.

This old, midsummer blooming favorite is one of our most useful and hardy perennials. Sometimes called Wallflower owing to its frequent use against the walls of buildings. Grows 4 to 7 feet high and comes in a great variety of beautiful shades. Price: Postpaid, each, 20c; doz., \$2.00. Double Mixed. Postpaid, each, 25c; doz., \$2.50. Double in solid colors, pink, white, red, or yellow. Postpaid, each, 35c; doz., \$3.50.

TIGER LILY. This handsome and striking lily with its deep orange, spotted with black, is the hardiest member of the lily family, and perfectly at home in our climate.

DOUBLE TIGER LILY. This resembles the single form but is fully double and of a trifle more delicate shape and appearance. Exceedingly handsome. Postpaid, each, 25c; doz., \$2.50.

LILY-OF-THE-VALLEY. An old favorite, early blooming, shade loving. Of wonderful beauty and fragrance. Blooms in June. Height 6 to 12 inches. Clumps. Postpaid, each, 30c; doz., \$3.00.

ELEGANS LILY. This is similar in color to the tiger lily but blooms earlier and more, and the flowers are upright. Grows 1 to 2 ft. in height and blooms in late June and July.

LEMON LILY. Day lily or hemerocallis. Flowers in June and July and attains a height of 2 to 2½ ft. Fragrant.

RED MALLOW. A native rock garden plant sometimes called wild geranium. Flowers appear in June and July and make the low growing plant a mass of scarlet. Plant in light and not too moist soil.

RED POPPY MALLOW. This is a purplish red flowered, low growing plant, with handsome, deeply cut foliage, which blooms throughout the summer.

SEA HOLLY or ERYNGIUM. This is not notable for its bloom but for the fact that the whole plant takes on a brilliant amethyst blue color as the flower matures. This color is so fixed that the plant may be dried and still preserve it.

PENTSTEMON GRANDIFLORA. This is one of the very showiest of our native flowers with its large bell-shaped blue or lavender flowers hanging from a long spike. Very hardy, stands dry weather and sandy soil well. Blooms in early July and attains a height of 15 to 20 inches.

ICELAND POPPY. Mixed colors, orange, yellow and white. Height about a foot. A bright green tuft of foliage with the handsome cup shaped flower borne on a tall stem. Blooms over a long period.

PRICKLY POPPY. A hardy native of the Great Plains of outstanding beauty. A true poppy, bearing large white flowers 3 in. across with yellow centers. Foliage silvery. Bushy and 18 in. to 2 ft. high. Flowers numerous and very graceful.

PLATYCODON or CHINESE BELL FLOWERS. We have a stock of both the deep blue and the white sort. With its balloon-like buds and large, handsome bell-like flowers this is a most satisfactory hardy flower. Blooms in early July. Height 20 to 30 inches.

POTENTILLA FRUTICOSA. A shrubby perennial, hardy, drouth resistant, distinctive with its bright green foliage and many bright yellow blooms resembling strawberry blossoms. Valuable as a low shrub in foundation plantings. Postpaid, each, 30c; doz., \$3.00.

PRAIRIE CLOVER, Petalostemum. This is a handsome purple native, the numerous heads coming into blossom in August. Very attractive to bees and butterflies. Height 12 to 30 inches, varying with the quality of the soil.

GUMBO LILY, Cow Boy Lily (White Evening Primrose). This denizen of our Bad Lands and buttes is one of the most beautiful of our native flowers as well as one of the hardiest. It is very low growing and under good conditions is covered with white blossoms the size of a large single rose most of the summer. As the flower ages the blossoms take on a pink color.

MISSOURI EVENING PRIMROSE. This is a native of the plains region south of here. It is low growing like the gumbo lily with a tremendous blossom, some 3 in. across of a bright yellow color. Blooms for a long time and is very striking.

RIBBON GRASS, Phalaris. This handsome ornamental grass is useful in a dozen places around the garden. With its stripes of light green and white and its bushy habit of growth it is valuable in clumps and beds with many other plants. Height, 15 to 25 inches. Good root. Each, 15c; doz., \$1.50.

SIBERIAN SWEET PEA. This is a perennial pea of a carmine color brought to America by Professor N. E. Hansen. Hardy and beautiful. Vines get to be 18 to 24 in. long.

SIBERIAN LAVATERA. This is a tall, very hardy type from Prof. N. E. Hansen. Grows from 3 to 4 feet high and in midsummer and later is covered with large pink mallow like flowers.

SEDUM (Stolonifera). This is a beautiful ground cover and rock garden plant. Exceedingly hardy and drouth resistant. Low growing and spreading, it has been used to advantage as a grave cover under severe conditions and has given excellent satisfaction. Suitable also for rocky slopes and terraces.

SPIDERWORT (Virginiana). An old favorite and a hardy native as well. Grasslike foliage bearing in clusters large brilliant blue flowers which appear about July first. Height about 12 to 15 inches.

MAXIMILIAN'S SUNFLOWER, Helianthus. Large single flowers, borne profusely, rich-golden yellow, center reddish brown. Dark green drooping foliage. Blooms August and September. 5 to 7 feet.

SWEET WILLIAM. Another old favorite, belonging to the pink family. Colors mostly red and white. Blooms in July. 18 to 24 inches high.

TANSY, Plover Head. An old perennial, 2 to 3 feet high and with a fernlike foliage and clusters of yellow bloom. Also valued for its medicinal uses.

BLUE VIOLET. For early Spring the native violets are unsurpassed in beauty. The blue will stand either shade or sun and is very greatly enlarged by cultivation. Blooms in late May and early June.

WHITE VIOLET. The native woods violet, especially suited to shady or partly shaded locations and of great beauty.

CRIMSON YARROW. This is the dark red form of the common white yarrow or millefoil. Height 18 in. Blooms from July to fall.

YUCCA or SPANISH BAYONET, Yucca Glauca. Native on dry clay buttes and in the driest possible locations. Very ornamental in its ordinary condition, and unusually beautiful when it blooms in July with its long spike of greenish white bells. Height 12 to 24 inches.



Prickly Poppy

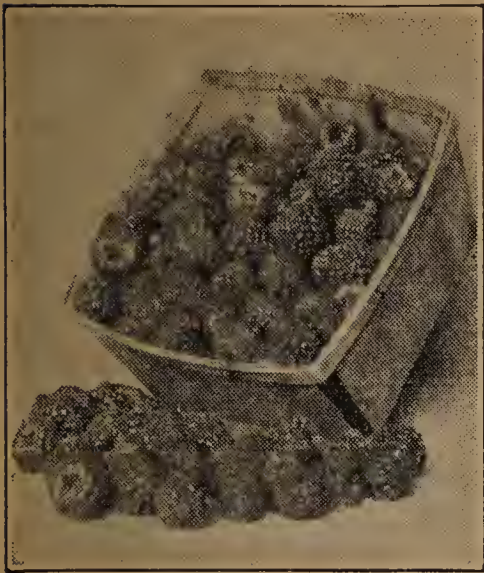
NATIVE ROCK GARDEN COLLECTION—TEN PLANTS, Price \$1.25 Postpaid

The rock garden is becoming increasingly popular and our rock garden natives are in use throughout the country through their introduction by Mrs. Fanny Heath.

We offer one each of the following native plants: Pentstemon grandiflora, prairie coneflower, prairie clover, dwarf blazing star, yucca glauca, red mallow, pink Dakota aster, white garland aster, gumbo or cowboy lily, gaura coccinea.

PRICE POSTPAID **\$1²⁵**

HARDY RASPBERRIES



Chief Raspberry

CHIEF or MINNESOTA NO. 223. The latest and best raspberry from the Minnesota Station. Hardier than Latham and heavier yielding. Quality fully as good, but not as well adapted to commercial use in the largest growing districts. Altogether it is so fine that it should at least be given a trial anywhere. Price, doz., 40c; 100, \$2.50. Postpaid, doz., 50c.

LATHAM. The best known production of the Minnesota Fruit Breeding Station and the standard market variety over the whole country today. A heavy bearer, berry red, large and of high quality. Should be planted only in sheltered location and on well watered soil in the Northwest; if these precautions are taken it should ripen almost anywhere. Price, doz., 35c; 50c, \$1.25; 100, \$2.25. Postpaid, doz., 45c.

SUNBEAM. This variety of Professor Hansen's continues to be with us the hardest and most dependable variety under severe conditions. We have grown it for 20 years and although no raspberry can do without considerable moisture, we believe the Sunbeam to be most drouth-resistant. Price, doz., 35c; 50, \$1.10; 100, \$2.00. Postpaid, doz., 45c.

PEERLESS CLIMBING RED. Originated in Bismarck by Mr. John Millet as a seedling many years ago. A rapid grower and may be trained on a post or trellis. Plant in a sheltered spot for best returns. Berry large, firm and delicious. Doz., 30c; 50, \$1.20; 100, \$2.25. Postpaid, doz., 40c; 50c, \$2.40.

GOOSEBERRIES

PIXWELL. This is one of the wonderful new gooseberries produced by North Dakota's famous plant breeder, Professor A. F. Yeager at the State Experiment Station. We feel that it is a very fortunate event for us to be able to introduce this remarkable new fruit. It is entirely hardy here with us, is of remarkable vigor and quick growth. The berries are very large, borne in huge quantities, and, of particular value, they are borne on long stems which, in combination with the fact that they are not very thorny, makes them very easy to pick—hence their name. Price, each, 40c; doz., \$4.00. Postpaid, each, 45c; doz., \$4.25.

ABUNDANCE. This is another of Professor Yeager's productions obtained by crossing the native wild gooseberry with the large cultivated sorts. **ABUNDANCE** is so named because of the tremendous crops which it produces. It, too, has a large berry and long stem. The ripe fruit is reddish. Price, each, 45c; doz., \$4.50. Postpaid, each, 50c.

HOUGHTON. An enormously productive, old variety. Fruit is smooth, pale red, tender and well flavored. Of vigorous growth, slender and spreading. Not subject to mildew. Strong 2-year plants. Doz., \$1.50. Postpaid, doz., \$1.70.

NATIVE WILD GOOSEBERRY. The wild gooseberry is of value both as a fruit and ornamental. It produces a very considerable quantity of excellent fruit which is only a little smaller than the tame sorts. It is a handsome ornamental, being the very first thing to leaf out in the Spring when the vivid green of its new leaves gives the first seasonal touch to the shrubby clumps; and among the last to go in the Fall at which time it becomes a reddish bronze. Each, 25c; doz., \$2.00. Postpaid, each, 30c; doz., \$2.25.

COMO. A rather new variety from the Minnesota Fruit Breeding Farm. Not as hardy as Houghton but a large berry of good quality, and a heavy bearer. Superior to the old varieties wherever it is adapted. Doz., \$1.55. Postpaid, doz., \$1.75.



Houghton
Gooseberry

CURRANTS

MINNESOTA NO. 24. This is a recent development from the Minn. Fruit Breeding Farm, and is one of their outstanding productions. It is a red currant, hardier and better in general quality than anything previously offered in the Northwest. Price, each, 35c; doz., \$3.00. Postpaid, each, 40c; doz., \$4.00.

WHITE GRAPE. This is the sweetest of the tame currants. It is a clear translucent white in color, bunches are large, as is the fruit. A steady annual bearer and altogether a most satisfactory variety. Each, 15c; doz., \$1.75. Postpaid, each, 20c; doz., \$1.90.

CHERRY CURRANT. An old standard variety. The growth is strong, stout and erect. The fruit is of large size, deep red and rather acid. Very productive. Price, each, 15c; doz., \$1.75. Postpaid, each, 20c; doz., \$2.00.

PERFECTION. Greatest of all Currants. The only small fruit ever awarded the Gold Medal of the Western New York Horticultural Society. A cross of Fay's Prolific and the White Grape Currant; it combines the large size and rich color of the Fay with the good quality and productiveness of the White Grape. The berries are rich, mild sub-acid and few seeded. The most profitable currant, and easiest to pick. Price, each, 20c; doz., \$2.00. Postpaid, each, 25c; doz., \$2.50.

NATIVE BLACK, Ribes Floridum. We have a limited supply of transplanted stock, nursery grown from seed, of this kind, which can be used for fruiting or ornamental purposes. The fruits are large, sweet, and make excellent jelly. Each, stocky, 20c; doz., \$2.00. By mail, each, 25c; doz., \$2.50.



Perfection

HAZELNUTS

This is the only nut bearing plant native to North Dakota and hardy all over the state. Since our bushes are grown from nuts gathered from wild northern bushes they are likely to be a mixture of both the common species, *rostrata* and *americana*. The hazelnut grows from four to six feet, a dense bush, and the nuts hang on in clusters and may be picked fairly green. Nuts are edible and of good flavor, related to the filbert. Each, 3 to 4 ft., 25c; 10, \$2.25. Postpaid, each, 30c; 10, \$2.50.

Strawberries

We are pricing strawberry plants only at postpaid prices. All orders for them will be shipped separately as we can not usually start shipping them till nearly May first, and the plants are likely to be damaged if packed in with other goods.

PRICES:

PROGRESSIVE

25	.....\$ 0.60
50	..... 1.00
100	..... 1.80
1000	..... 16.00

SENATOR DUNLAP

25	.....\$0.35
50	..... .60
100	..... 1.00
1000	..... 8.00



Progressive Everbearing

PROGRESSIVE EVERBEARING. (Perfect flowering.) After many years of testing the Progressive still holds first place as the best standard everbearing strawberry for the Northwest. We have decided to sell only the Progressive as a standard sort. It is very productive, very hardy and gives the best satisfaction of any of the many sorts we have tried. Keep blossoms picked off during the spring in which plants are first set out if you wish a good fall crop.

SEN. DUNLAP. June Bearing (Perfect Flowering). This is the greatest of all the June bearing strawberries. The vine is tough, bright, a rampant runner, and a sturdy grower. It is wonderfully productive and each berry is regular in shape and of delicious quality. The berry is large, bright red and glossy, firm, a good keeper and the very best sort for canning.

DRYWEATHER EVERBEARING STRAWBERRY. This is one of the productions of Professor A. F. Yeager and possesses the usual merit that has come to be expected from his breeding work. The Dryweather is an everbearing variety of very good quality, prolific and more drouth resistant than any other strawberry we have ever seen. Our stock is still very limited. Price, postpaid, per doz., 75c; 25, \$1.40.



Senator Dunlap

Hardy Grape Vines

NATIVE WILD GRAPE, *Vitis riparia*. To insure fruiting several should be planted. This is one of the most satisfactory wild fruits for cultivation. A small arbor planted with about a dozen vines will produce several bushels of grapes. The fruit is unsurpassed for jelly, jams and grape juice, and the plant is one of the easiest to grow. 3-year plants, each, 20c; 10, \$1.60. Add 5c per plant or 20c for ten if postpaid.

BETA GRAPE. It has been tested over the whole Northwest and is giving satisfaction wherever grown. In exposed locations and under dry conditions it is not advisable to plant it, but with plenty of moisture, in good soil and with some shelter it does remarkably well. When the location is doubtful we advise Winter covering. The berries are blue black, of medium size, with a pleasant aromatic flavor; they ripen about the last of August. Strong plants, each, 25c; doz., \$2.50. Postpaid, each, 30c; doz., \$3.00.

ALPHA. This is the new hardy grape which is proving equal even to the Beta. In some North Dakota experiments it is harder than Beta, and the quality is perhaps somewhat better. It appears to be a cross between the wild and Concord grapes. It resembles the latter except that it is a trifle smaller, but it is the largest of the extra hardy grapes. Each, 25c; doz., \$2.50. Postpaid, each, 30c; doz., \$3.00.



Beta Grapes



Native Wild Grape

Horseradish

Should occupy a place in every garden along with rhubarb (see page 31) and asparagus (see page 14).

BOHEMIAN. A particularly large and smooth-rooted variety of fine flavor. Postpaid, doz., 35c. F. O. B. Bismarck, doz., 30c.

Hardy Apple Trees

Budded or Grafted on Siberian Crab or Pyrus Baccata Roots

Apples and Crabs are 3 to 4 ft., young and bushy stock. Smaller sizes used for mailing.

All authorities on Great Plains Horticulture recommend planting only young stock such as we offer because it establishes itself much more quickly and easily and there is likely to be less loss. Remember that our apples are grafted and budded on the hardiest apple roots in the world, and are grown in North Dakota.

WAUKON. This fine apple was introduced through our catalog last year, and the more we see of it the better we think of it. We feel that it is an outstanding variety for the Northwest. Even in the nursery row it is noticeable for its thriftiness and vigor as well as hardiness. This is a seedling grown by Mr. Sykes of Moorhead, Minn., and taken up and grown by Prof. Yeager from whom we obtained our start. It resembles the Wealthy but is of even better quality, and the tree is much harder and more vigorous. Price each, 65c; 5, \$3.00.

WEALTHY. October to January. This variety is beyond doubt the most popular sort throughout the Northwest. A hardy, upright grower and a very abundant bearer. The fruit is large and dark crimson in color. The flesh is crisp and sub-acid, white tinged with red. A fine eating Apple and one that keeps well in storage. Each, 40c; 5, \$1.75.

ANOKA. The test of years is proving the Anoka to be the most important Apple introduction for the Great Plains that has yet come from the laboratory of the Northwest's Burbank, Prof. N.

E. Hansen. It bears often the second year from planting, carries large crops every year, is a sturdy, handsome and exceedingly hardy tree. The fruit is of fine flavor, early, resembling the Duchess in many ways. The very best for the home place under plains conditions. Each, 50c; 5, \$2.25.



Our Hardy Young, Bushy and Full-of-Life Apples
—Anoka Variety

varieties on specially hardy root stocks. A very hardy and blight-free sort, has lived some twelve years and borne in Manitoba. Of sturdy habit and handsome appearance. Fruit is medium to large in size, of wonderful keeping qualities, so that it fills the long-felt want in the Northwest of an entirely hardy Winter Apple of good quality. Fruit hangs to tree well, is beautiful in appearance, with firm, fine grained, juicy flesh. Each, 45c; 5, \$2.00.

CHARLAMOFF. This is a Russian variety related to the Duchess. We are listing it after having observed it at the Dominion Experiment Station at Morden, Manitoba, where it is considered one of the very hardiest varieties. It is a trifle earlier than the Duchess, of very similar quality and pleasant flavor. Trees come into bearing young, fruit is yellow splashed with red and of good size. Each, 50c; 5 for \$2.25.

ERICKSON. This is one of the best of the apples of Russian origin. Exceptionally large in size, it is also of fine flavor. Season somewhat longer than that of Duchess, it is of a beautiful and uniform red color when fully ripe. Season Sept. to Nov. Price, each, 40c; 5, \$1.75.

LONGFIELD. Another Russian apple of great hardiness and perhaps the finest eating quality of any of the type. A small tree, exceptionally hardy, and productive. Color yellow with red blush. Primarily an early apple for home use. Each, 40c; 5, \$1.75.

DUCHESS. August to September. A standard early commercial variety and the best known of all the Russian Apples. It is very hardy, free from blight, and an early and prolific bearer. The fruit is large, yellow with red stripes, very tender and juicy. Each, 40c; 5, \$1.75.

HICK'S EVERBEARING. This is a new variety from Plains, Montana. It is a seedling which an old nurseryman, Mr. Hicks, of Plains, has watched for many years on account of the great thriftiness, the high degree of hardiness, and the good quality of the red and yellow striped fruit of which a crop is borne every year. We have only a limited stock of trees grown from cions furnished us by Mr. Hicks. Each, 75c; 5, \$3.50.



Waukon



Red Wing

Pioneer Apple and Crab Collection

Special Bargain Collection—One Each of the Following Varieties

Waukon Apple

Charlamoff

Dolgo Crab

Duchess

Longfield

Sugar Crab

Anoka

Red Wing

Hyslop

Golden Anniversary

VALUE \$4.65 FOR 10 TREES
F.O.B. BISMARCK

Special Price \$3⁰⁰

Hardy and Prolific Crab Apples

The hardy crabs are without doubt one of the very surest fruit crops for the Northwest; particularly if they are allowed to grow in bush form.

3 TO 4 FT. TREES QUOTED.



Golden Anniversary



Hyslop



Whitney

GOLDEN ANNIVERSARY CRAB. September. Another new introduction, a seedling crab developed at our nursery. Fruit large, flesh white and firm, ripens mid-season. Makes excellent sauce and jelly and is pleasant eaten from the hand. A heavy bearer and an exceedingly hardy tree. A fast grower, tree of fine shape and appearance. Price, each, 45c; 5 for \$2.00.

SIBERIAN CRAB. September. This is one of the very hardiest of the crab family, being a cultivated selection from the wild crab of Siberia. The fruit is small, tart, and juicy, ripens in mid-August and yields very heavily. The tree is of handsome shape and reaches considerable size, one of ours being 30 feet tall with a trunk a foot or more in diameter. Each, 40c; 5 for \$1.80.

WHITNEY CRAB. August to September. A hardy, thrifty upright grower. Excellent flavor even to eat out of the hand. The fruit is very large and glossy green, striped with red. The flesh is firm, juicy and pleasant. It is a very heavy yielder and highly prized for pies. Each, 40c; 5 for \$1.80.

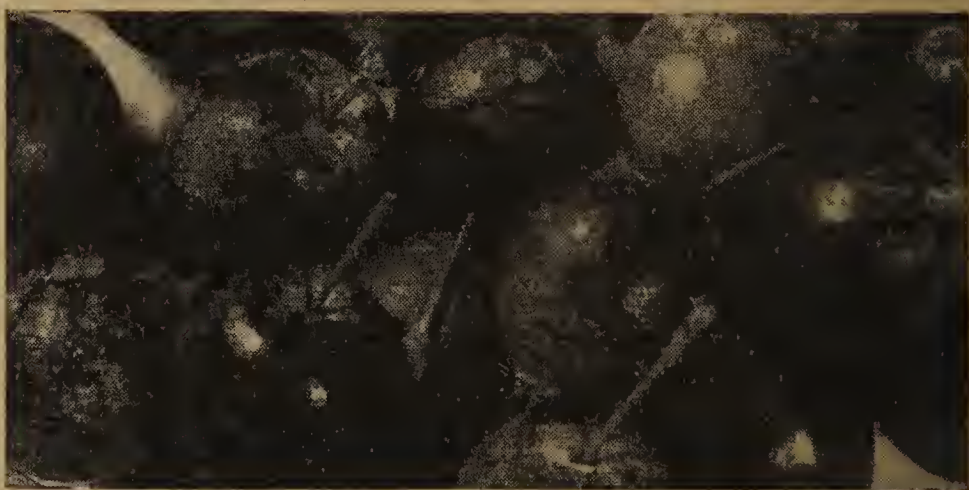
FLORENCE. September. This is a crab of very high quality, and extremely handsome fruit. An origination from Minnesota it is extremely hardy and has given excellent satisfaction in many parts of the Northwest. Price, each, 45c; 5 for \$2.00.

SUGAR CRAB. September, October and later. This is one of Professor Hansen's productions. A large, sweet flavored winter crab, some 2 in. in diameter. Flesh rich and sweet, color, yellow with bronze blush. Seems to be blight resistant. Price, each, 45c; 5 for \$2.00.

DOLGO CRAB. September. Another valuable product of Prof. Hansen's work. A strikingly beautiful tree, sturdy, upright, with handsome foliage. Bears heavily and the fruit of medium size is of excellent flavor, and of a wonderfully handsome brilliant red color. Both as an ornamental and for the large quantity and fine quality of fruit the DOLGO ranks high, and in addition it possesses ironclad qualities of hardiness. Each, 45c; 5 for \$2.00.

PYRUS BACCATA. August and September. The Siberian cherry apple. This is a handsome ornamental, the original Siberian wild crab, and produces heavy crops of a small cherry-sized apple which is unusually satisfactory for making jelly. This variety is the hardiest of the apple family and is the one which is largely used by us as a root stock for our other varieties. Each, 40c; 10 for \$3.50.

HYSLOP CRAB. September to November. A small, late, dark red crab. Hardy, a good yielder and one of the most popular varieties. Each, 40c; 5 for \$1.80.



Dolgo Crab



Mendel Pear

Mendel Pear

We have come to the conclusion after considerable investigation that the Mendel is hardy enough for trial and will undoubtedly succeed in many localities. It has survived at the Northern Great Plains Station at Mandan over a period of several rather severe years.

Mendel is a real, good sized pear of very fair quality and showing great resistance to blight as well as hardiness against cold.

We are fortunate to be able to offer a limited number of 3 to 4-foot trees. Price, each, 60c; 5 for \$2.75.

CHERRIES and CHERRY HYBRIDS

The Best Suited of All Fruits to the Northwest

SPECIAL COLLECTION OF 8 DELICIOUS HARDY CHERRIES

We offer one each of the following eight varieties:

CHAMPA — TOM THUMB — OKA — COMPASS — ST. ANTHONY — TOMENTOSA — SAND CHERRY — NATIVE CHOKECHERRY. Total Value \$2.80.

Special Price \$2.25

COMPASS. The tree is perfectly hardy, even in the far North, and seems especially adapted to the Western prairies, where it is very free from disease, and remarkably exempt from insect enemies and the depredations of birds. It frequently bears the same year it is set, and is quite certain to bear a good crop annually thereafter. The fruit, which resembles a small bright red plum, is of pleasant acidity as eaten out of the hand and when cooked or canned makes a remarkably fine rich flavored sauce. Price, each, 3 to 4 ft., 40c; 5, \$1.75.

OKA CHERRY. This is the outstanding Hansen production of recent years. Introduced a few years ago it has gained an enviable name for itself both in this country and Canada. A sand cherry hybrid, bushy but larger than Tom Thumb, it bears early and heavily. The fruit is the largest of the bush cherry type, dark red in color with reddish flesh, and of delicious flavor. The fruit hangs to the tree for a long time after ripe and dries instead of decaying. Altogether it is a fruit that will take a very high place on account of its combined good qualities. Each, 3 to 4 ft., 40c; 5 for \$1.80.

ZUMBRA. This is an entirely new type of cherry which promises to be of great value. It has been thoroughly tested for hardiness and seems to be fully as hardy as the Compass. It is a production of the Minnesota State Fruit Breeding Farm, and is supposed to be a cross between the sweet cherry, the pin cherry and sand cherry. Fruit is very dark, flesh greenish, freestone, quality very good. Excellent for preserves. Each, 3 to 4 ft., 40c; 5 for \$1.80.

CHAMPA. This is a handsome bush about the size of the common sand cherry and bears in great profusion a fairly early ripening black fruit very similar to the Tom Thumb cherry, but with a greenish flesh. It is a delicious fruit to eat from the hand and excellent for sauce. This is one of Prof. Hansen's productions. Each, 3 to 4 ft., 40c; 5 for \$1.80.

TOM THUMB. Another production of Prof. Hansen and one which is meeting with unusual favor in Canada. It is a cherry growing on a bush, and may be planted like currants and gooseberries. Begins to bear the second year and produces tremendous crops of cherries about the size of Compass but black in color and with dark red flesh like the Sapa. Each, 2 to 3 ft., 40c; 5 for \$1.80.

ST. ANTHONY. This is another Minnesota Station Hybrid cherry of the same type as Zumbra but with red flesh and more palatable still for cooking. Price, 3 to 4 ft., each, 40c; 5, \$1.80.

PRUNUS TOMENTOSA or NANKING CHERRY (Chinese Bush Cherry). Worthy as a beautiful ornamental and hedge plant, outstanding on account of its hardiness which has been well demonstrated both in North Dakota and Manitoba, valuable for its fruit, which is of an unusually pleasant flavor, a handsome red in color, and larger than the chokecherry. Blooms in early spring, grows to a compact large bush or small tree. Great Plains Station Selection. 3 to 4 ft., each, 40c; 5, \$1.80; 2 to 3 ft. seedling transplants, each, 30c; 10, \$2.50.

SAND CHERRY or ROCKY MOUNTAIN CHERRY. This is a native bush cherry; wonderfully productive and very hardy. This fruit is nearly the size of a tame cherry and when dead ripe, of pleasant taste. Fine for jams and jellies. 2 to 3 ft., each, 20c; 12, \$2.00; 6 to 12 in., seedlings, 50, \$1.50; 100, \$2.75.

WESTERN CHOKECHERRY — PRUNUS MELANOCARPA. This is a larger and sweeter cherry than the eastern variety and is exceedingly satisfactory for jelly and sauce, being perhaps the most delicious for that purpose of any of our western fruit. Also valuable in shelter belt and windbreak planting and a handsome ornament. Transplanted stock, 3 to 4 ft., each, 20c; 10, \$1.75; 4 to 6 ft., each, 25c; 10, \$2.00.



Champa



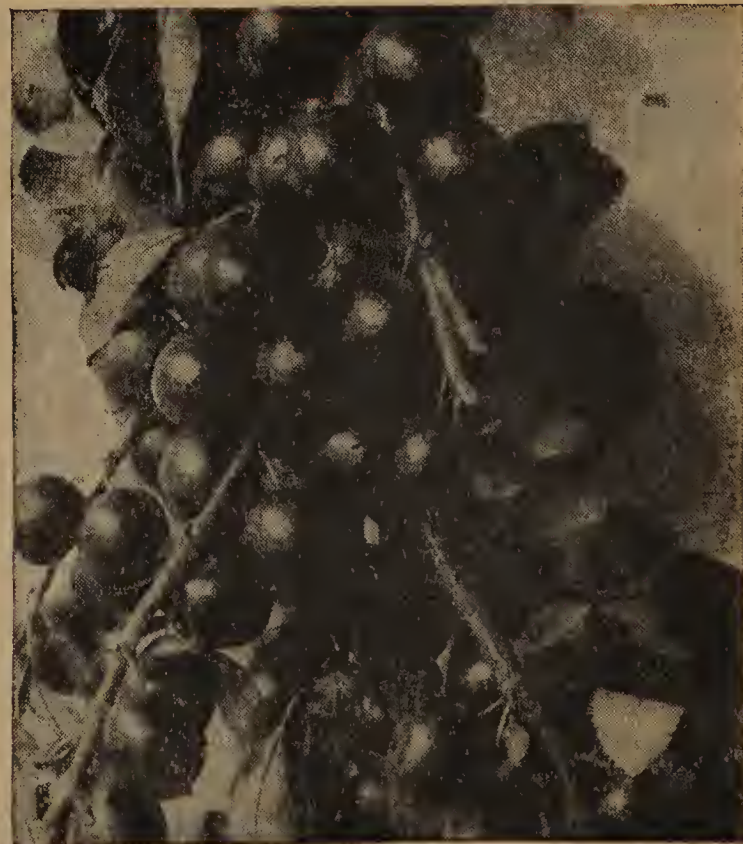
Sweet Choke-cherry



Sand Cherry



Compass



Oka Cherry

Plums and Plum Hybrids

Hardy, High Class Varieties for the Northwest

Plant Several Types Together or Plant with Cherries to Insure Pollination. 3 to 4 Ft. Trees

SPECIAL PIONEER PLUM COLLECTION

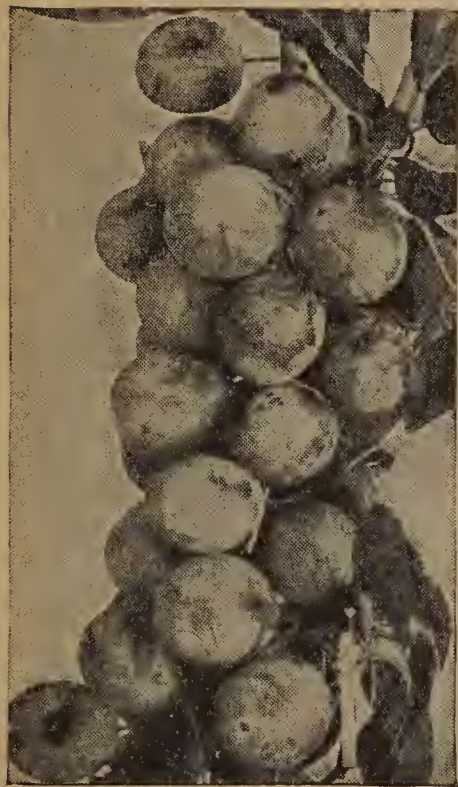
9 fine plums and Hybrids as follows for \$2.75:

1 Waneta—1 Underwood—1 Radisson—1 Golden Anniversary—1 Opata—
2 Native Wild—1 Hennepin—1 Goldenrod—1 La Crescent.

Value at regular rates—\$3.75.

SPECIAL PRICE.....

\$2.75



Opata



Underwood

✓ **HENNEPIN** (Minn. No. 132). A Japanese-American cross. Medium size, dark red plum with bloom on skin, flesh red, early, vigorous and productive. Price, each, 45c; 5 for \$2.00.

✓ **OPATA**. A plum-sandcherry cross, should be headed low and the old wood trimmed out as it bears on young wood. An origination of Professor Hansen and one of his most popular ones. A cross between Sandcherry and Gold Plum. Fruit dark red with a blue bloom, early, flesh green with a delicious flavor. Ready in mid-August. Price, each, 40c; 5 for \$1.80.

✓ **GOLDEN ANNIVERSARY**. This is a hybrid seedling, the best of several hundred which have been fruiting in our nursery for several years now. It is large, firm, of good quality and a good bearer. The flavor is unusual and very pleasant. We feel that it is well worth trying under different conditions. Each, 45c; 5 for \$2.00.

✓ **CREE**. The Cree is one of Professor Hansen's originations and assuredly one of the best. It has been carefully tested here and at the Mandan Station and has proven absolutely hardy and of wonderful quality. It is one of the largest sized plums of the North, the fruit being bright red, skin thin, ripening in the latter part of August. It is a cross between the Prunus Nigra of Manitoba and the Shiro plum. Each, 40c; 5 for \$1.80.

✓ **NATIVE WILD PLUM**. Ironclad as to hardiness, useful in windbreak and shelter belt planting, and very valuable for its certain crop of fruit which makes delicious sauce, jam and jelly. Prices low, as they can be raised without budding or grafting. 3 to 4 feet. Each, 30c; 10 for \$2.50. Large seedlings, per 100, \$3.50.

✓ **RED WING**. This is one of the largest fruited plums of the new introductions from the Minnesota State Fruit Breeding Station, which means that it is as large as the regular commercial plums. It has proven hardy over most of our state. Fruit is large, firm, yellow overlaid with red in color, flesh sweet and of good quality; freestone. Midseason bearer. Each, 40c; 5 for \$1.80.

✓ **RADISSON**. This exceptionally early and delicious plum from the Minnesota Fruit Breeding Station once again has shown itself to be one of the hardiest and most satisfactory for the Northwest. The size is fairly large and the quality is unsurpassed. Fruit is a handsome red. Each, 40c; 5 for \$1.80.

✓ **UNDERWOOD**. This is one of the hardiest of the new Minnesota Fruit Breeding Station varieties and has proven perfectly hardy with us. These varieties in flavor are the equal of any of the Japanese plums, are larger than any of the American type, and are thrifty and strong varieties which bear annually. The Underwood is an excellent keeper and the earliest plum in the list. Fruit is large, dark red, and sweet. Ripens in midseason. Each, 45c; 5 for \$2.00.

✓ **WANETA**. This is the largest of Professor Hansen's hybrid plums, being a cross similar to the Underwood. It has proven perfectly hardy at the U. S. Station at Mandan, is a heavy bearer and produces the largest fruit of any hardy plum. Fruit is of good quality, ripens in midseason and is of excellent flavor. Fine healthy trees, each, 50c; 5 for \$2.25.

✓ **SAPA**. A similar cross to Opata, between sandcherry and Japanese Plum. A couple of weeks later than Opata but of the same habit of growth and should be handled in the same way. The fruit is dark purple, and the flesh is a purplish red which makes it exceptionally attractive particularly when canned. Winter-kills at the ends of the branches sometimes. This does not affect production. Price, each, 45c; 5 for \$2.00.

✓ **MENDOTA**. A product of the Minnesota Fruit Breeding Farm, and the largest. Quality and production both high. Each, 45c; 5 for \$2.00.

✓ **GOLDENROD**. A Minn. Fruit Breeding Farm plum and the only pure yellow one. Outstanding for its keeping qualities. Each, 45c; 5 for \$2.00.

✓ **LA CRESCENT**. Perhaps the most delicious of all the Minnesota hybrid plums. Yellow of skin and flesh with a delightful apricot flavor. Each, 45c; 5 for \$2.00.



Waneta

Insecticides for All Purposes

Prices Subject to Change. Ask for Prices on Large Lots. All Prices F. O. B. Bismarck Unless Otherwise Stated.

ITEMS BELOW ARE AVAILABLE



ACME GARDEN GUARD. A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. Prices, F. O. B. Bismarck, 1-lb. sifter carton, 20c; 5 lbs., 75c; postpaid, 1 lb., 27c; 5 lbs., \$1.00. Special Garden Guard with Rotenone, lb., postpaid, 35c. F. O. B. Bismarck, 30c.

ACME LIME SULPHUR. One of the most dependable of all insecticides for dormant spraying and the destruction of fungous parasites on woody plants and shrubs. 1 lb., 35c; 5 lbs. at 28c per lb.

ACME DUSTING SULPHUR. For mildew on roses and other fungus and similar diseases of plants there is nothing quite so satisfactory as sulphur dust. 3-lb. package, postpaid, 50c; here, 35c.

ACME DAWG-GONE. Protect that evergreen—keep dogs away. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. Not necessary to place tube in every tree unless standing alone. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer—replaces unsightly wire screens or mechanical contrivances. Mailable. Tubes 35c each or 3 for \$1.00, postpaid.

NEW EVERGREEN SPRAY. A new non-poisonous pyrethrum spray, a great improvement on the regular Evergreen as it contains the necessary soap spreader and oil, a perfect combination, and is 20% stronger. Kills ants, all forms of aphid and plant lice. One oz. makes 4 to 6 gallons. Price, postpaid, 1 oz., 40c; here, 35c; 6 oz. pkg., \$1.10 postpaid, \$1.00 here. Larger sizes quoted on request.

CARCO. This is the best remedy for cutworms and other underground pests. Use one pint to 75 pints of water and spray the soil before planting. Later use one pint to 125 pints of water. By express or freight, one pint, 75c. Postpaid, 90c.

TOBACCO DUST. An excellent remedy against all kinds of aphid or plant lice. Per lb., by express, 12c; 5 lbs., 50c. Postpaid, lb., 20c.

CORONA TREE WOUND DRESSING. For all cuts, breaks, bruises caused by accident or from pruning, or for injury by gnawing by rabbits or mice. Price, qt. can, 75c; postpaid, 85c.

RED ARROW. This is a combined rotenone and pyrethrum spray, very effective and deadly to insects, but entirely harmless to animals and man. Also contains soap so that it need only be mixed with water and put in sprayer. One oz. makes from one to four gallons of spray depending on the strength desired. 1 oz., 40c, postpaid; 35c here; ¼ pt., \$1.10, postpaid, \$1.00 here.

ATLACIDE WEED KILLER. Kills poison ivy and all other weeds including dandelions. May be dissolved and sprayed on or dusted on. 2 lbs. treats 100 to 450 square yards. Non-poisonous. Lb., postpaid, 60c; F. O. B. here, 50c.

CARBOLA. The Disinfecting White Paint and Dusting Powder for Insects. A white paint and powerful disinfectant in powder form. Quickly mixed with water—no waiting or straining. Applied with brush or sprayer to all surfaces. Does not flake or peel off. One pound covers 100 square feet. Agricultural colleges and experiment stations highly recommend it for cleanliness and prevention of disease in poultry houses, etc. 5-lb. pkg., 75c; 10 lbs., \$1.25; 50 lbs., \$5.00. This is mailable at regular postage rates.



ACME ANT-KILL. Rid your home and premises of the embarrassing and health-injuring ant nuisance. Kill the ants in the nest. Ant-Kill syrup is sold in connection with safe patented service cups which gives protection to birds, chickens, pets and children, yet readily accessible to ants who carry the syrup back to the nest. Attractive to Argentine and sweet-eating ants. Postpaid prices, Cottage set, 3 oz. refill bottle, 5 cups, 65c ea.; 2 oz. refill bottle, 25c ea.; 3-oz. bottles, 30c ea.; ½ pint, 55c; pint, 80c; Service Cups, 10c ea.

ACME FISH or WHALE OIL SOAP. A caustic potash soap made from pure fish oil, valuable for rose bushes as a wash, and for the leaves and bark of plants or trees to kill eggs and scale. Smear on trees will prevent the ascent of worms. A remedy against aphid. Postpaid, 1-lb. cake, 30c.

TOPZOL RAT AND MOUSE EXTERMINATOR. Non-poisonous to most animals or people but deadly to rats and mice. Comes in bait form and need only be scattered. Cellophane package of baits, each, 15c here; postpaid, 20c.

SULPHONOL RABBIT AND RODENT REPELLENT. A protection for trees and shrubs against rabbit and mice injury. Can be used on fruit and evergreen trees also. Price, 1 qt. can, 75c F. O. B. Bismarck; 90c postpaid.

ITEMS BELOW ARE NOT AVAILABLE

ACME LONDON PURPLE. This is one of the best and strongest insecticides for potato spraying and similar purposes. It increases in popularity over paris green yearly both due to its efficacy and its very low price in comparison. Price, ¼ lb., 15c; 1 lb., 30c; 4 lbs., 56c. Write for prices on larger lots.

ACME PARIS GREEN. The old reliable spray for potatoes. Price, 1 lb., 45c; 5 lbs., at 40c per lb. Larger lots quoted on request.

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field; one product which will combat blight and fungous diseases, control sucking insects and destroy chewing insects in one application. Safe to use on almost all fruits, vegetables, flowers and shrubs. Write for descriptive circular. Prices, ¼ lb., 40c; 1 lb., 75c.

ACME BORDEAUX MIXTURE. This is the only remedy against fungous diseases such as rusts, blights, mildew, etc., in shrubs, plants and trees. 1 lb., 35c; 4-lb. bag, 75c. Unavailable.

ACME ARSENATE OF LEAD. Rapidly coming to the front as a spray for potatoes. Powder form. Unavailable. ½ lb., 20c; 1 lb., 35c; 4-lb. bag, 75c. Larger lots at 18c.

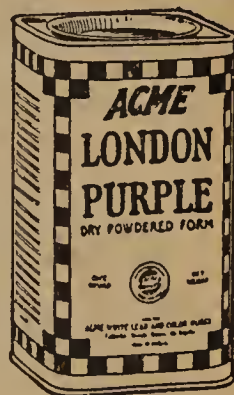
ACME BAIT M. For Cutworms. An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. Price, 1 lb., 40c; 3 lbs., 75c.

ACME APHIS SPRAY. An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphid (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with any kind of water. Complete directions found with every package. 3 oz. collapsible tube, 35c; 12 oz. collapsible tube, 95c; 2½ lb. can, \$2.25.

BLACK LEAF 40. The old reliable nicotine spray for aphid of all kinds on plants, trees and shrubs. Also excellent to rid poultry and poultry houses of lice. An increasing use to which it seems especially adapted is as a sheep dip. Price, 1-oz. bottle (makes 6 gallons), 35c; 5-oz. bottle, \$1.00.

CORONA COPPER CARB. The most popular preparation for treatment of seed wheat against smut. Is used dry and the seed may be treated in the Winter without any injury to it. Two ounces treats one bushel seed. Comes in 5-lb. cartons at 20c per lb. here.

GOPHER POISON. Extra strength Poisoned Oak of best quality. 8 lb. sk., 90c; 16 lb. sk., \$1.75; 32 lb. sk., \$3.25.



Will's Pioneer Brand Feeds

We wish to call especial attention to our Pioneer line of prepared poultry feeds and mashes. We have selected the best formulas recommended by the State Experiment Stations of the Northwest, and compound them of the highest grade materials, with the utmost care.

SEND FOR OUR FEED LISTS—ISSUED AS PRICES CHANGE
All Prices F. O. B. Bismarck Unless Otherwise Noted

WILL'S PIONEER BRAND MERMASH

An All Purpose, 4 in 1 Mash

Replaces:

CHICK STARTER
TURKEY STARTER
GROWING MASH
LAYING MASH

Supplies minerals and vitamins in organic form. Tonic as well as feed value. 10 lbs., 50c; 25 lbs., 90c; 50 lbs., \$1.60; 100 lbs., \$3.00.

Write for descriptive folder on Mermash.

PIONEER BRAND GRANULAR CHICK STARTING GRAIN OR BABY CHICK FEED. For baby chicks up to three weeks old. A carefully ground, mixed and screened feed. 10 lbs., 30c; 25 lbs., 75c; 50 lbs., \$1.50; 100 lbs., \$2.75.

PIONEER BRAND CHICK FEED OR SCRATCH GRAIN FOR CHICKS. To be fed after three weeks old and until chicks are able to eat whole grain. 10 lbs., 25c; 25 lbs., 60c; 50 lbs., \$1.40; 100 lbs., \$2.25.

PIONEER BRAND FOWL FATTENER. This is a fattening mash so compounded as to stimulate the putting on of flesh when fattening for market. Please remember that all our feed is compounded from experiment station formulas. 25 lbs., 70c; 50 lbs., \$1.10; 100 lbs., \$2.00.

PIONEER BRAND SCRATCH FEED. A balanced grain mixture of our own preparation for mature birds. Has given uniformly excellent results. 10 lbs., 35c; 50 lbs., \$1.10; 100 lbs., \$2.00.

We do not place any fish oil in our mixtures as it may cause them to spoil quickly. Better results are obtained if these oils are mixed with the feed as you use it. We quote two sorts below.

BIOTOL SARDINE OIL. This is a product of purely American production, of tested and unexcelled quality as a high grade Vitamin D carrier. Price, qt., 55c; gal., \$1.35. Qt., postpaid, 70c.

NOPCO COD LIVER OIL. This is one of the finest and purest brands and compares very favorably in price with any other brand. We offer it in quart and gallon sizes. Price, F. O. B. Bismarck, 1 qt., 75c; 1 gal., \$2.00. Postpaid, 1 qt., \$1.00.

JERSEY DRIED MILK FEED

A whole dried milk compound useful alike for poultry, calves and young pigs. One pound of the Compound to 5 to 10 pounds of corn, ground feed or other feed is used, depending on the type of feed you desire. Takes the place of all milk for the calf. Price of 12 lb. pkg., \$2.00; 25 lbs., \$4.00; 50 lbs., \$7.50; 100 lbs., \$14.00.



BABY CHICKS

Write for Our Price List Which Will Be Ready Soon After January 15th

POP CORN FOR POPPING

Not prepaid, 1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$6.00.

EXCEL CORN POPPER. Takes all the tired muscles and burned faces out of popping corn. Made both for use with any coal stove or with attachment for electricity. Pops quickly and completely, put in a handful of popcorn and the popper does the rest. Price, postpaid, equipped with heating unit and plug to screw into socket, \$1.25. Plain popper for use with coal, oil or gas stove, 65c.

PEARL LIMESTONE GRIT or SHELLMAKER. The dual purpose grit, hard enough to furnish the necessary grinding material for chickens, and soluble enough to furnish the much needed lime for bone and shell building. No other grit need be used with this. 25 lbs., 50c; 100 lbs., \$1.25.

PIONEER BRAND CRUSHED OYSTER SHELLS. We have a good supply this year. 10 lbs., 25c; 100 lbs., \$1.35.

MINERAL MIX. This is a mineral for mixture in hog, sheep and cattle rations. So much has been said of its value in farm papers and bulletins that we do not need to go into the matter. 25 lbs., \$1.00; 100 lbs., \$3.00.

MICA CRYSTAL GRITS. By express or freight, 100 lbs., \$2.00.

CHARCOAL. To keep fowls in a healthy state, a regulator of some kind must be fed. Nothing takes the place of charcoal. 10 lbs., 60c; 50-lb. sack, \$1.50.

BONE MEAL. A conditioner required for perfect health. 5 to 50 lbs., at 5c per lb., here; 100 lbs., \$3.25.

MEAT AND BONE SCRAPS. These are of first quality, cooked and without offensive odor. Comes in 2 sizes. Coarse, 25 lbs., \$1.00; 100 lbs., \$3.00.

DIGESTER TANKAGE. A very necessary conditioner for hogs. 100 lbs., \$2.75.

PIONEER BRAND CALF MEAL. Raise your calves without milk. This compound, composed of balanced ingredients, is a perfect milk substitute. Has been used for years and always with the best success. Comes in all size sacks, full directions accompanying every sack. Try it and you will always use it. 25-lb. sack, \$1.25; 100 lbs., \$4.00.

ROLLED OATS. For poultry and stock food and of use in compounding mixtures. 90-lb. sack, \$3.75.

ALFALFA MEAL. By express or freight, 10 lbs., 50c; 25 lbs., 75c; 100 lbs., \$2.00.

LINSEED OIL MEAL. 10 lbs., 50c; 100 lbs., \$3.00.

COTTONSEED MEAL. 10 lbs., 50c; 100 lbs., \$2.75.

SUNFLOWER, HEMP AND CANARY. For poultry, parrots and song birds. F. O. B. Bismarck, lb., 15c; 10 lbs., \$1.00.

Write Us for Special Prices on Quantity Lots of Feed. We Are Always Able to Furnish High Grade Feed Corn in Car Lots

Poultry Supplies

CHAMPION LEG BAND. Aluminum. Numbered from 1 to 100. Price, sets of 25, 20c; sets of 100, 85c, postpaid.
KEYRING LEG BANDS. Different colors. Doz., 20c; 100, 80c, postpaid.

GLASS JAR DRINKING FOUNTAINS. We supply only the lower dish and the holder for the jar. Any common glass jar or sealer will do. Price, postpaid, 20c. Not postpaid, 15c.

INCUBATOR THERMOMETER. This is the most convenient, most accurate and altogether most satisfactory thermometer that we have seen, and takes up the least tray room. Each, \$1.00, postpaid.

No. 39 POULTRY PUNCH. Scissors type, works easily, cuts clean without bruising. One of the most satisfactory ways to mark your poultry, ten to fifteen markings using both feet are possible. Each, 55c, postpaid.

Prices on Incubators and Brooders sent on request.

BLACK LEAF 40. See page 77 for price. Spray on roosts and destroy lice.

CHOLOREE. This is a general preventive of various germ diseases of poultry and is efficacious against most of the common contagions which attack flocks. Is used in the drinking water and left in the pen. Large package, \$1.00. Not mailable.

For Carbola disinfecting paint see page 77.

Stock and Poultry Remedies

Book on "Cure & Treatment of Stock & Poultry" by Dr. Legear, Free on Request

Postpaid

NICOTINE-KAMALA PILLS. These are especially recommended for large round and tape worms. Pkg., \$1.10.

POULTRY WORM POWDER. A new and very popular preparation. 4 lb. pkg., \$1.10.

WHITE DIARRHOEA REMEDY. Pkg., 60c.

POULTRY POWDER. A wonderful tonic, appetizer and conditioner. Pkg., 30c.

COLD TABLETS. Pkg. of 25, 30c.

LICE KILLER, in sifter top cans. Pkg., 35c.

HEAD LICE REMEDY. A salve. Pkg., 35c.

STOCK POWDERS. Mineral and vegetable ingredients compounded to produce an effective tonic and conditioner for cows, hogs, etc. 25-lb. pail, \$3.00. (Also small pkg., 30c, postpaid.)

STOCK DIP. For Sheep and Cattle. 1-qt. can, 65c; per gallon, \$1.75.

**LANG'S
HAND
WEEDER**

HANDIEST
TOOL
ON EARTH.



PERFECTO WINDOW BOX

Comes in green and old ivory. Built on scientific principles and to sell at a very reasonable price. Rust proof, light in weight, self-irrigating. Price F. O. B. Bismarck, 20 inch size, \$1.00; 26 inch, \$1.50; 32 inch, \$2.00.

Sprayers and Dusters

Prices on repairs and large sprayers on request.

ONE QUART GLASS JAR SPRAYER. This is a substantially built and very satisfactory small machine. Price, F. O. B. Bismarck, 65c.

STERLING. This is a well built machine with a capacity of 4 gallons. Not quite as strongly built as the two below but better than most of the ordinary articles on the market. Price, F. O. B. Bismarck, \$4.20.

PERFECTION. This is an exceedingly well built knapsack sprayer with a capacity of four gallons. Reinforced galvanized tank. Price, \$6.25, F. O. B. Bismarck. With brass tank, price, \$9.25.

JUNIOR. A smaller knapsack type; capacity 2½ gallons; built as sturdily in every way. Price, \$4.75, F. O. B. Bismarck. With brass tank, \$6.50.

MAJOR DUST GUN. A low-priced mechanical dust distributor that gives good satisfaction. Built somewhat along the lines of the smaller sprayers. Price, F. O. B. Bismarck, \$1.25; postpaid, \$1.40.

"NEPONSET" WATERPROOF PAPER FLOWER-POTS. Just the thing for starting bedding and vegetable plants, etc. They make a fine cut worm guard as the paper is creosoted. Postpaid, 3-inch size, 30c per doz.; \$1.25 per 100; F. O. B. here, 1000, \$9.00.

HARRIS READY-TO-USE LOCKED PLANT BANDS AND POTS. The only really Ready-to-use bands on the market. No locks to put together, no tacks to drive, no folding of corners. The finest thing known to transplant plants of every kind. They are cheap, easy to use and very satisfactory. They come already folded and set up. All you have to do is open them, set close together in a box, fill with dirt and put in the plant. These have about twice the capacity of round pots the same size. Bands, 2x2x2½ inches, package of 250, \$1.50, postpaid. Bands, 3x3x3 inches, package of 250, \$2.00, postpaid. Pots, 3x3x3 inches. Package of 250, \$2.25, postpaid.

THE CYCLONE SEED SOWER. To broadcast Grain, Grass and Clover Seed. Also to Seed Onion and Rutabaga. The machine is so simple in construction and so perfect in operation that even a boy can operate it. It will sow clover, timothy, wheat, oats, rye, buckwheat, Red Top, turnip, millet, alfalfa and all other farm

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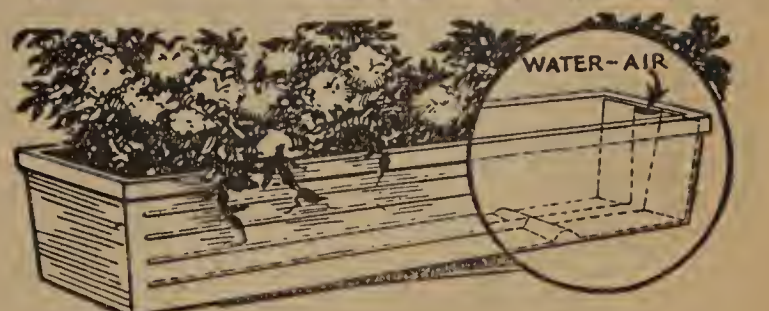


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INDEX

Achillea	68	Corn, Field	47-51	Insecticides	77	Red Mallow	70
Ageratum	3, 57	Cornflower	4	Ipomoea	7	Red Top	54
Alfalfa	55	Corn Planter	79	Iris	68	Remedies, Stock and	
Almond, Flowering	64	Corn, Pop	25, 78	Ivy	57	Poultry	77
Alsike	56	Corn Popper	78	Juneberry	64	Rhubarb	31
Alyssum	3, 57	Corn Salad	15	Juniper	61	Ribbon Grass	70
Amber, Dakota	53	Corn, Sweet	22, 23	Kale	14	Ricinus	8
Amorpha	68	Cosmos	5	Kohl-rabi	15	Rock Garden Plants	69
Anemone	68	Cotoneaster	65	Lady Slipper	4	Roses	66, 67
Anise	27	Cottonwood	60, 61	Larkspur	7, 69	Rosemary	27
Antirrhinum	3	Crab Apples	74	Lavatera	6, 70	Rose Moss	8
Apple Trees	73	Cranberry, High Bush	64	Lavender	27	Russian Olive	65
Artemisia, Russian	65	Creepers	66	Lawn Grass	54	Rutabagas	44
Ash	60, 62	Creeping Bent	54	Lawn Supplies	46	Rye	52
Asparagus	14	Cress	15	Lead Plant	68	Saffron	27
Asparagus Ferns	57	Crested Wheat Grass	54	Leek	15	Sage	27
Asters	4, 57, 68	Cucumbers	24, 25	Lettuce	26, 27	Salpiglossis	9
Baby's Breath	6, 69	Cucumber, Wild	5	Lilac	64, 65	Salsify	40
Baby Chicks	78	Cultivators	46	Lily	70	Salvia	9, 57
Bachelor's Button	4	Currants	71	Lily-of-the-Valley	70	Sand Cherry	64
Balloon Vine	4	Cut Flowers	57	Linden	62	Sansevieria	57
Balm of Gilead Poplar	62	Cypress Vine	6	Lobelia	6, 57	Scabiosa	9
Balsam	4	Dahlia	5, 58	Madeira Vine	59	Schizanthus	9
Balsam Poplar	62	Daisy	6, 57, 69	Mangels	16	Sea Holly	70
Barley	52	Delphinium	7, 69	Maple	62	Sedum	70
Basswood	62	Dianthus	6	Marigold	7	Seeders	46, 79
Beans	4, 12, 13, 14	Digitalis	6	May Day Tree	63	Seed Separator	46
Beans, Scarlet Runner	4	Dill	27	Meadow Fescue	54	Seed Sower	79
Bedding Plants	57	Dogwood, Red Osier	63	Meadow Rue	70	Sheep Berry	63
Bee Plant	4	Drills	46	Mignonette	7	Shrubs	63-65
Beets	16, 17	Dusters	79	Millet	53	Siberian Pea Tree	65
Beets, Stock	16	Eggplant	15, 58	Monarda	70	Silverberry	63
Beets, Sugar	16	Elder, Red Berry	63	Morning Glory	7	Snapdragon	3, 57
Begonia	57	Elder, Cut Leaf	64	Mountain Ash	62	Snowball	64
Bent Grass	54	Elm	61, 62	Muskmelons	1, 30, 31	Snow-on-the-Mountain	9
Birch	62	Emmer	52	Mustard	27	Sorghums	53
Bittersweet	66	Endive	15	Nasturtiums	7	Soy Beans	53
Blanket Flower	69	Engelmann's Creeper	66	Nigella	7	Spanish Bayonet	70
Black Haw	63	English Ivy	57	Nicotiana	7	Speltz	52
Blazing Star	68	Eryngium	70	Nitragin	55	Spider Plant	4
Bleeding Heart	69	Euphorbia	9	Nursery Stock	60-76	Spiderwort	70
Blue Grass	54	Evergreens	61	Oak	62	Spinach	40
Boltonia	68	Feeds	78	Oats	52	Spirea	63
Borecole	14	Ferns	57	Okra	15	Sprayers	79
Bouncing Bet	4, 68	Fertilizers	56	Old Man	65	Sprinklers	46
Box Elder	60	Feterita	53	Onion Plants	33	Spruce	61
Broccoli	14	Field Beans	14	Onion Seed	34, 35	Squash	41
Brome Grass	54	Field Peas	53	Onion Sets	33	Stocks	9, 57
Brussels Sprouts	14	Field Seeds	52	Oyster Plant	40	Stock Beets	16
Buckthorn	65	Flax	52, 69	Pansies	7, 57	Stock Remedies	79
Buckwheat	53	Floral Designs	57	Paris Green	77	Strawberries	72
Buffalo Currant	64	Flowering Almond	64	Parsley	31	Strawflower	6
Buffalo or Bull Berry	65	Flowering Crab	63	Parsnips	29	Sudan Grass	53
Burning Bush	5	Flowering Currant	64	Pasque Flower	70	Sugar Beet	16
Buttercup	69	Flowering Plum	64	Pasture Mixture	54	Sumac	64
Cabbage	18, 19	Flower Seeds	3-11	Peanuts	40	Summer Cypress	5
Cabbage, Chinese	19	Forget-Me-Not	6	Pear	74	Summer Savory	27
Cabbage Plants	58	Four O'Clock	6	Peas	36, 37	Sunflower	6, 53, 70
Calendula	4	Foxglove	6	Peas, Field	53	Sweet Clover	55
Calliopsis	4	Gaillardia	6, 69	Pelargonium	57	Sweet Corn	22, 23
Campanula	4, 69	Garlic	33	Pentstemon	8, 70	Sweet Marjoram	27
Canary Bird Flower	4	Gaura Coccinea	69	Peonies	67	Sweet Peas	10-11, 70
Candytuft	5	Geranium	6, 57	Peppers	28, 58	Sweet Potatoes	58
Cane	53	German Ivy	57	Perennials	68-70	Sweet Rocket	9
Canna	4, 57, 58	Giant Daisy	69	Petunias	8, 57	Sweet Sultan	5
Canterbury Bells	4	Gladiolus	59	Phlox	8, 70	Sweet William	9, 70
Caragana	64, 65	Golden Glow	69	Philodendron	57	Swiss Chard	17
Caraway	27	Golden Rod	69	Pieplant	31	Tansy	70
Carbala Paint	77	Gooseberries	71	Pin Cherry	62	Thornapple	64
Carnation	5	Gourds	6, 15	Pine	61	Thyme	27
Carrots	20, 21	Grapes	72	Plant Bands	79	Tickseed	4
Cassia Chamaechrista	5	Grass Seed	54	Plant Food	56	Tiger Lily	70
Castor Beans	8	Grass Shears	44	Planting Table	11	Timothy	54
Catchfly	5	Greenhouse Dept.	57, 58, 59	Platycodon	70	Tomatoes	1, 42, 43, 58
Catnip	27	Ground Cherry	43, 58	Plums and Plum Hybrids	76	Towels	79
Cauliflower	21, 58	Gypsophila	6, 69	Pop Corn	25, 78	Turnips	44
Cedar	61	Hackberry	62	Poplar	62	Vegetable Plants	58
Celeriac	28	Hand Weeder	79	Poppies	8, 70	Verbena	9, 57
Celery	28, 58	Hawthorn	64	Portulaca	8	Virginia Creeper	66
Celosia	5	Hazelnut	71	Postal Rates	2	Vinca Vines	57
Centaurea	5	Heartsease	70	Potatoes	45	Vines	66
Chard, Swiss	17	Helianthus	6, 70	Potato Eyes	45	Violet	70
Cherries and Cherry		Helichrysum	6	Potato Planter	79	Walnut	62
Hybrids	62, 75	Heliotrope	6	Potentilla	70	Watermelon	1, 32, 33
Chervil	14	Herbs	27	Pots	79	Wheat	52
Chicory	15	Hesperis	9	Poultry Remedies	79	Wild Cucumber	6
Chinese Bellflower	70	Hollyhock	6, 70	Poultry Supplies	79	Willow	62, 65
Chinese Lantern Plant	5	Honeysuckle	65	Prairie Clover	70	Windflower	68
Chinese Matrimony Vine	66	Hop Vine	66	Prairie Coneflower	69	Window Box	79
Chinese Woolflower	5	Hopa Flowering Crab	63	Primrose	8, 57, 70	Wonderberry	42
Chives	15	Horehound	27	Pruning Shears	46	Wormwood	27
Chrysanthemum	5	Horseradish	72	Pumpkins	29	Yarrow, Crimson	70
Citron	32	Hose	46	Radishes	38, 39	Yucca	70
Clarkia	5	Hose Nozzle	46	Rape	53	Zea Rainbow Corn	9
Clematis	66	Hubam	55	Raspberries	71	Zinnia	9
Clipper Cleaner	46	Ice Plant	6	Red Haw	64		
Clover	55, 56	Inoculant	55				
Cobaea	5						
Coleus	57						
Columbine	5, 69						
Convolvulus	7						

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